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Attorneys for Plaintiff Federal Trade Commission

**UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF ARIZONA**

FEDERAL TRADE COMMISSION

Plaintiff,

v.

SUPERTHERM, Inc., a corporation,

ROBERTO GUERRA, individually and as
an officer of SUPERTHERM, Inc., and

SUSANA GUERRA, individually and as an
officer of SUPERTHERM, Inc.

Defendants.

CASE NO. _____

**COMPLAINT FOR PERMANENT
INJUNCTION AND OTHER
EQUITABLE RELIEF**

Plaintiff, the Federal Trade Commission (“FTC”), for its Complaint alleges:

1. The FTC brings this action under Section 13(b) of the Federal Trade Commission Act (“FTC Act”) 15 U.S.C. § 53(b), to obtain permanent injunctive relief, rescission or reformation of contracts, restitution, the refund of monies paid,

disgorgement of ill-gotten monies, and other equitable relief for Defendants' acts or practices in violation of Section 5(a) of the FTC Act, 15 U.S.C. § 45(a).

2. Defendants market their MultiCeramics Insulation coating using deceptive claims related to R-values, which measure the insulating ability of materials, including home insulation.

3. Defendants claim that their MultiCeramics Insulation coating provides the equivalent of R-19.

4. However, this claim is false. Therefore, Defendants cannot substantiate it. In fact, Defendants' MultiCeramics Insulation coating has an R-value that is substantially less than one when applied as Defendants instruct.

JURISDICTION AND VENUE

5. This Court has subject matter jurisdiction pursuant to 28 U.S.C. §§ 1331, 1337(a), and 1345.

6. Venue is proper in this District under 28 U.S.C. § 1391(b)(1) and (c)(2).

PLAINTIFF

7. The FTC is an independent agency of the United States created by statute. 15 U.S.C. §§ 41-58. The FTC enforces Section 5(a) of the FTC Act, 15 U.S.C. § 45(a), which prohibits unfair or deceptive acts or practices in or affecting commerce.

8. The FTC is authorized to initiate federal district court proceedings, by its own attorneys, to enjoin violations of the FTC Act and to secure such equitable relief as may be appropriate in each case, including rescission or reformation of contracts,

restitution, the refund of monies paid, and the disgorgement of ill-gotten monies. 15
U.S.C. § 53(b).

DEFENDANTS

9. Defendant SUPERTHERM, Inc. (“SuperTherm”) is an Arizona corporation with its principal place of business at 4305 W. Sarah Rd., Prescott, AZ 86305.

SuperTherm transacts or has transacted business in this District and throughout the United States. At all times material to this Complaint, acting alone or in concert with others, SuperTherm has advertised, marketed, distributed, or sold MultiCeramics Insulation to consumers throughout the United States.

10. Defendant Roberto Guerra is the founder and a principal of SuperTherm. At all times material to this Complaint, acting alone or in concert with others, he has formulated, directed, controlled, had the authority to control, or participated in the acts and practices of SuperTherm, including the acts and practices set forth in the Complaint. Defendant Roberto Guerra resides in this District and, in connection with the matters alleged herein, transacts or has transacted business in this District.

11. Defendant Susana Guerra is SuperTherm’s President and Director. At all times material to this Complaint, acting alone or in concert with others, she has formulated, directed, controlled, had the authority to control, or participated in the acts and practices set forth in the Complaint. Defendant Susana Guerra resides in this District and, in connection with the matters alleged herein, transacts or has transacted business in this District.

COMMERCE

12. At all times material to this Complaint, Defendants have maintained a substantial course of trade in or affecting “commerce,” as “commerce” is defined in Section 4 of the FTC Act, 15 U.S.C. § 44.

DEFENDANTS’ BUSINESS PRACTICES

13. Defendants manufacture and market coatings designed for residential and commercial applications, including “MultiCeramics Insulation.”

14. Coating products are marketed for application on homes and buildings and include paint, paint with additives (such as ceramic spheres), varnishes, lacquers, and products that incorporate such coatings.

15. Defendants claim MultiCeramics Insulation is an “Insulation Coating RE19” and that it is an “R Equivalent INSULATION COATING THAT REALLY WORKS!” *See* Exhibit A at 1.

16. Since at least 2014, Defendants have disseminated or caused the dissemination of advertising, packaging, and promotional materials for their MultiCeramics Insulation coating, including through advertisements on their website.

17. In these promotional materials, Defendants describe their product in terms of R-values and R-value equivalents. For example, they claim that “MULTICERAMICS™ provides R equivalent ‘RE’ insulation.” *See* Exhibit B at 1. They also advertise their product as “Multi-Ceramics Insulation Coating RE19.” *See* Exhibit A at 1. Defendants market their product for “residential and commercial buildings.” *See* Exhibit D at 1.

18. R-value is a measurement of resistance to heat flow. *See* FTC’s Trade Regulation Rule Concerning the Labeling and Advertising of Home Insulation (“R-value Rule” or “Rule”), 16 C.F.R. Part 460 (initially issued in 1980 and last amended in 2019). The greater the R-value, the greater the reduction in heat flow, and the more energy may be saved to heat or cool a building. 70 Fed. Reg. 31,258 (2005).

19. Different products have different R-values. For example, fiberglass batt is among the most common insulating materials in the United States. It generally has an R-value of R-3.0 to R-3.8 per inch. Other popular insulation materials, polyisocyanurate or polyurethane foam, have R-values of R-5.6 to R-8.0 per inch. Consumers typically apply those materials several inches thick to provide the desired level of insulation. By comparison, hardwood has an R-value of R-0.9 per inch. Poured concrete has an R-value of about R-0.08 per inch, making it a poor insulator.

20. The U.S. Department of Energy recommends levels of insulation for homes. It divides the country into eight climate zones and lists R-values for each zone. The District of Arizona is in Zones 2-5. The Department recommends homes in Zone 2 should have R-30 to R-60 insulation in the attic, and that homes in Zone 5 should have R-49 to R-60 insulation in the attic. Thus, if a home in this District is using fiberglass batt (at R-3.8 per inch), then it should have at least 7-8 inches of the batt in its attic to obtain the R-30 level.

21. Defendants’ conduct is ongoing as of the filing of this Complaint.

22. Based on the facts and violations of law alleged in this Complaint, the FTC has reason to believe that Defendants are violating or are about to violate laws enforced by the Commission.

**DEFENDANTS CLAIM MULTICERAMICS INSULATION COATINGS
PROVIDE R EQUIVALENT INSULATION WITH AN R-VALUE EQUIVALENT
OF “RE19”**

23. Defendants market their product as “Multi-Ceramics Insulation Coating RE19.” *See* Exhibit A at 1. They claim MultiCeramics Insulation is an “R Equivalent INSULATION COATING THAT REALLY WORKS!” *Id.* They say their product “[p]rovides insulation, thus avoiding the heat from entering the building.” *See* Exhibit E at 1.

24. Defendants also claim that consumers will reap the benefits of this purported insulation value from even a thin coat of MultiCeramics Insulation. They claim that their product “INSULAT[ES] WITH A SINGLE COAT NO THICKER THAN A BUSINESS CARD.” *See* Exhibit C at 3. They go on to say that MultiCeramics provides “R Equivalence with a 0.007 coat (Interior App.)” *See* Exhibit A at 1. According to Defendants, “MultiCeramics™ Superior Roofing System features an insulating factor only slightly less than products up to 20 times its thickness.” *See id.* at 2.

25. As a two-person company, Defendants Roberto and Susana Guerra control and manage their business’s day-to-day operations, including their website and marketing materials. Additionally, Defendant Roberto Guerra is responsible for the company’s

product development and prepares the advertisements for the MultiCeramics Insulation coatings.

**DEFENDANTS' R-VALUE AND R-VALUE EQUIVALENT
CLAIMS ARE FALSE OR UNSUBSTANTIATED**

26. MultiCeramics Insulation coatings do not significantly restrict heat flow, much less to the extent claimed by Defendants. Indeed, the R-value of MultiCeramics Insulation coatings applied at the recommended thickness is considerably less than one.

DEFENDANTS' CLAIMS ARE MATERIAL

27. Defendants specifically identify "Insulation" as the "PRODUCT USE" for MultiCeramics Insulation. *See* Exhibit F at 1.

28. Defendants claim that MultiCeramics Insulation "outperform[s] other insulation coatings," and tout the product's "PAY BACK RATIO TO INVESTMENT."

VIOLATIONS OF THE FTC ACT

29. Section 5(a) of the FTC Act, 15 U.S.C. § 45(a), prohibits "unfair or deceptive acts or practices in or affecting commerce." Misrepresentations and unsubstantiated claims constitute deceptive acts or practices prohibited by Section 5(a) of the FTC Act.

COUNT I
False or Unsubstantiated Performance Claims

30. In numerous instances in connection with the advertising, promotion, offering for sale, or sale of MultiCeramics Insulation, as described in Paragraphs 13-28, Defendants have represented, directly or indirectly, expressly or by implication, that

MultiCeramics Insulation Coatings have insulation values or insulation equivalent values of R-19 when used at normal levels.

31. The representation set forth in Paragraph 30 is false or misleading, or was not substantiated at the time the representations were made.

32. Therefore, the making of the representation set forth in Paragraph 30 constitutes a deceptive act or practice in violation of Section 5(a) of the FTC Act, 15 U.S.C. § 45(a).

CONSUMER INJURY

33. Consumers are suffering, have suffered, and will continue to suffer substantial injury as a result of Defendants' violations of the FTC Act. In addition, Defendants have been unjustly enriched as a result of their unlawful acts or practices. Absent injunctive relief by this Court, Defendants are likely to continue to injure consumers, reap unjust enrichment, and harm the public interest.

THIS COURT'S POWER TO GRANT RELIEF

34. Section 13(b) of the FTC Act, 15 U.S.C. § 53(b), empowers this Court to grant injunctive and such other relief as the Court may deem appropriate to halt and redress violations of any provision of law enforced by the FTC. The Court, in the exercise of its equitable jurisdiction, may award ancillary relief, including rescission or reformation of contracts, restitution, the refund of monies paid, and the disgorgement of ill-gotten monies, to prevent and remedy any violation of any provision of law enforced by the FTC.

PRAYER FOR RELIEF

35. Wherefore, Plaintiff FTC, pursuant to Section 13(b) of the FTC Act, 15 U.S.C. § 53(b), and the Court's own equitable powers, requests that the Court:

- A. Award Plaintiff such ancillary relief as may be necessary to avert the likelihood of consumer injury during the pendency of this action and to preserve the possibility of effective final relief, including a preliminary injunction;
- B. Enter a permanent injunction to prevent future violations of the FTC Act by Defendants;
- C. Award such relief as the Court finds necessary to redress injury to consumers resulting from Defendants' violations of the FTC Act, including but not limited to, rescission or reformation of contracts, restitution, the refund of monies paid, and the disgorgement of ill-gotten monies; and
- D. Award Plaintiff the costs of bringing this action, as well as such other and additional relief as the Court may determine to be just and proper.

* * *

Dated: July 28, 2020

Respectfully Submitted,

ALDEN F. ABBOTT
General Counsel

s/ Jonathan W. Ware
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Counsel for Plaintiff Federal Trade Commission

Exhibit A



Technology for Energy Conservation

MultiCeramics™

MULTICERAMICS outperform other insulation coatings:

- R Equivalence with a 0.007 coat (Interior App.) With NO FADE and Cool Touch Technology
- R Equivalence with just 0.007 coat
- Sound Blockage
- MultiCeramics™ Technology line
- Outperforms Energy Star Best
- Surpasses California Cool Roof Program
- Tested better overall than the most expensive options
- Works on Interior/Exterior
- Class "A" Rated "0" Flame Spread
- Passed 5000 hours Salt spray tests
- USDA Approved
- Water Proof (Not just water resistant)
- Blocks 99.5% of Infrared
- Resists Mold & Mildew
- 25 Years residential life expectancy
- K value (0.07) ASTM Testing

PAY BACK RATIO TO INVESTMENT:

Solar photovoltaic systems : 5 to 20 years

Appliances: 10 + years

Weatherization: 20 years

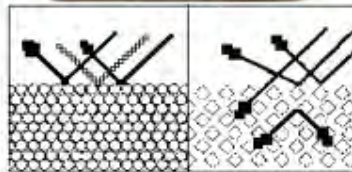
MULTICERAMICS: 1 1/2 year

Do The Math!



MULTICERAMICS™ Really works!

Now you have the information! Stopping climate change starts with you today, because it takes less resources to conserve 40% of the energy production, than to build the infrastructure to produce 40% more energy.



MicroPacking Vs. Plating

MultiCeramics™ technology provides corrosion protection and "MicroPacking" that reduces surfaces maintenance many times the normal life span of any application, it saves energy, provides longer life to properties and surfaces. Unlike the alternative fiberglass or foams, it poses no health hazards and offers greater comfort by outperforming all others under most conditions. MultiCeramics™ is the ultimate insulation material.

Chemically Different

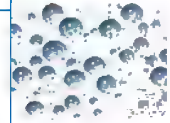
Criteria for solar reflectance:

Flat and Low Slope Roof pitch	Initial solar reflectance	After 3rd Year solar reflectance	After 10 years
Energy Star : = or < 2:12	65%	50%	Not rated
EZ Cool Roof : = or < 2:12	82.2%	78.2%	*74%

MultiCeramics™ EZ Cool Roof System unique performance characteristics are based on a polymer chemistry that is amorphous, rather than crystalline, in nature. Crystalline liquids dry to a bed of thousands of tiny individual crystals, which can separate under maintenance traffic, temperature variations, or normal building flexion. Amorphous chemistries process a random molecular structure, drying to a fibrous, continuous film, with 25 times the elasticity of fiberglass felt.

High Strength to Weight

The MultiCeramics™ Superior Roofing System was developed with space age characteristics-unusual strength combined with weight that is up to 90% less than competing products. Combining a penetrating base coat with the spun-bond, continuous-filament polyester backbone fabric POLYFAB



- WALLPANEL R30 - R60
- Multi-Ceramic Coating RE19
- No Fade Acrylic Stucco
- No Fade TM Color Retention
- Clear Coatings
- High Temperature Coatings
- Corrosion Encapsulation
- Marble Emulation Coat
- Email Support
- Home

MultiCeramics™ Is a TECHNOLOGY! Built with a blend of nano acrylics and polymers, which makes it flexible, yet tough It has Multi- ceramics technology to give not only reflective abilities but also non-conductive ability for heat and cold. Other electrometric reflective coatings as well as the many "ADD ON CERAMICS to cheap paint" type, have only one acrylic and a single reflective ceramic. MultiCeramics™ ceramics are not the rough multifaceted type as the one found in other coatings,



MultiCeramics™ ceramics are specially manufactured. The unique size, types and shapes permits the ceramics to settle very tight together and not allowing air to interact between the ceramics producing the "Micro Packing" effect, this far surpasses older technology.



Proving-Ground Tough

While MultiCeramics™ is a space age chemical formulation, it is a fully tested product. It was derived after carefully documenting the performance

weighing but 2.2 oz/sq. yd. (75 gr/m)- the complete system including reflective topcoat is no thicker than a dime, yet is strong enough to support a footprint-sized weight in excess of 3500 pounds (1589 kg) before bursting.

Dimensional Stability

MultiCeramics™ EZ Cool Roof System when bent, returns to its precise linear dimensions within a ± tolerance. It remains 99% dimensionally stable throughout its useful life. This linear flexing without cracking or dimensional changes facilitates MultiCeramics™ installation around cooler bases, exhaust chimneys and up parapets, and assures a continuous self-flashing, weather resistant seal over the entire roof's surface.

Fire Resistant

The MultiCeramics™ Superior Roofing System offers an additional benefit to commercial and residential users in dry or fire-prone areas. While no lightweight roofing material is fireproof, MultiCeramics™ has no flash point. Should an outside flame be applied directly to the roof's surface, the material itself will deteriorate, but will not ignite.

Embrittling-Resistant

After years in the sun, or of enduring climatic extremes, petroleum-based roofing matter can become brittle, and crack. MultiCeramics™ has been formulated specifically to withstand the searing heat of the Arizona deserts while retaining inherent structural flexibility. To date, industrial and residential applications have undergone in excess to 105,120 hours of continuous exposure to the desert climate, including day/night temperature variations of 60 degrees (16° C) without failure and without embrittling.

Water Proof NOT "Moisture Proof"

The MultiCeramics™ EZ Cool Roof System continuous-filament, single-ply, fluid applied superior roofing system provides one of the most efficient long-life moisture barriers available in the industry today, with a moisture-vapor transmission rate of just 0.94 perms per mil.

No Added Plasticizers or Flame Retardants

The flexible, non-combustive qualities of the MultiCeramics™, Superior Roofing System are inherent in the product's chemical formulation, and remain properties of the cured film throughout its life. Some competitive coatings contain plasticizers and flame retardant additives, which leach out over time, causing the coating to become brittle and crack, permitting moisture to penetrate substrate materials.

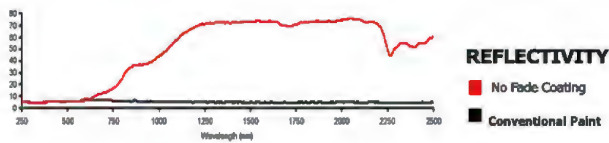
Long Life, Little Labor

Direct roofing costs can be divided into two categories, materials and labor. Labor traditionally Constitutes the greater percentage of such costs.

MultiCeramics™ EZ Cool Roof System was designed to reduce labor costs by:

- 1) Permitting application by unskilled labor, with hand tools only.
- 2) Lasting longer than ordinary roofs.
- 3) Its ability to be applied over virtually any sound old-roof surface, without expensive tear-off procedures.
- 4) Its inherent ease of maintenance. Should wear of surface fissures occur for any reason, they are readily repaired by one individual with a container of MultiCeramics™, a paint brush and POLYFAB fabric.

Energy Savings



Traditional roofs do more than divert the elements. In the past, they have also served as heat sinks, absorbing the sun's heat and redistributing it throughout building interiors-to the distress of occupants and the delight of utility companies. MultiCeramics™ was formulated as both insulator and reflector designed to maintain comfortable interior temperatures at reduced utility cost. Formal testing indicates a solar reflectance for the product of 82.2%, more than three times greater than gravel-coat asphalt. As a result interior temperatures are reduced by up to 30°F (17° C) and roof expansion and contraction are held to minimum. In addition to this uniquely high reflectance capability, the MultiCeramics™ Superior Roofing System features an insulating factor only slightly less than products up to 20 times its thickness. MultiCeramics™ roofs have reduced interior temperatures by as much as 30 degrees in retrofit applications. Should design requirements dictate, the product is available in the full spectrum of colors. Reflective characteristics will vary with the color density selected. Check with your MultiCeramics™ representative for specific information.

characteristics of countless individual compounds. It has been "torture-tested" by such unusual applications as water pool walls and hot muffler patches. It has been proven in actual use throughout the United States and abroad under the most rigorous climatic conditions, and tested effective from subfreezing to searing desert temperatures. When used according to factory recommendations, it simply do not fail.



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Phones :
888-887-0144 - 928-443-0685

Multi-Ceramics - True Space Age Insulation Coating

Exhibit B



SUPERTHERM Inc.

Green products for a safer world



- WALLPANEL R30 - R60
- Multi-Ceramic Coating RE19
- No Fade Acrylic Stucco
- No Fade TM Color Retention
- Clear Coatings
- High Temperature Coatings
- Corrosion Encapsulation
- Marble Emulation Coat
- Email Support
- Home

Green Efficiency and Beauty



Are some of the added benefits Architects, Builders and contractors enjoy when designing and building with the WALLPANEL™ wall panel System. Any project that includes Energy Conservation, Green Points, Speed or Budgetary constrains, can be accomplished exceeding the highest expectation.



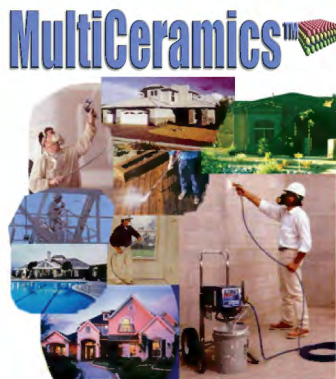
WALLPANEL™ System does not require structural engineering stamps for every modification to the wall panels.



Simplicity and Strength



It takes cutting 60 or more trees to build a house with wood, that is not "Green" WALLPANEL system does not use or need wood. The HIGHTHERM R24 - SUPERTHERM™ R30 - or SUPERTHERMAL R60 true insulation wall panels designed for commercial and residential applications, when conservation is a must this system is designed to achieve a super insulated stable structure that makes erecting residential building a simple task. WALLPANEL™ is an innovative wall panel that can provide true R60 Insulation with a mere 6 inches of wall thickness, any structure constructed with the WALLPANEL™ system will save up to 75% of the energy needed to heat or cool the building. All this at a lesser total construction cost than standard construction.



MULTICERAMICS™ Insulation coating is a unique one-part coating composed of blend of nano acrylics and resin additives formula. **MULTICERAMICS™** provides R equivalent "RE" insulation and great surface finish, it has no VOCs, utilizes different types and sizes of ceramics that block 95% of the sun's radiant heat visual light, ultra violet rays and infrared rays. **MULTICERAMICS™** is a permanently flexible "breathing" membrane that stops water penetration, and prevents corrosion and surface deterioration with two additional advantages over other ceramic coatings. **MULTICERAMICS™** has **Micro Packing, No Fade, Nano and Cool Touch** technologies. It can save thousands every year in utilities expenses. **JUST PAINT AND SAVE!**



ACRYLIC STUCCO



ACRYLIC STUCCO is a mixture of high- performance acrylics specially blended for breath-ability, adhesion, flexibility, texture and toughness. Added in the formulation is a special ceramic and aggregate compound to insure a stucco texture surface but with the added characteristics not found in standard dry mix ratios of stucco. It is not affected by water or moisture-penetration, and is designed to stay down for a long bonding life. It will not crack and peel. It is UV-protected for long life and durability against weathering whether in hot or cool climates or under high humidity or very dry. It is tough and durable to provide years of service and added beauty.

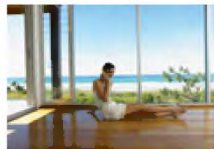


EZ-HOT / GOLD



EZ-Hot/Cold Coating™ will stop condensation of chilled or freezing lines with just a 1/8" of an inch, this coating is so efficient that can achieve very high insulation at less than half the thickness required by other insulation coatings. **EZ-Hot/Cold Coating™** is water borne to offer a non-flammable, no toxicity formula and zero VOCs for high heat or freezing applications. The Nano technology used in this coating offers a "micro-packing" set that is required for quick adhesion while at the same time offering a formulation to immediately calm the heat conduction from the surface of the pipe to give better adhesion to any surfaces.

CLEAR-COAT



Clear-Coat is produced in two distinctive formats, a single component and a two-part Nano Technology "0" VOC aliphatic polyurethane enamel that forms a uniquely hard and durable coating film. This self-leveling coating is resistant to water, acids, solvent and impact. **Clear-Coat** is a one-coating system. **Clear-Coat** can be applied to metal, concrete, masonry, wood and many other substrates that need UV control, anti-microbial, anti-graffiti, or simply a tough clear coating to enhance and beautify any surface.



RUSTVACCINE™ is a one-part polyurethane coating that contains no VOC's or known carcinogens. Upon curing, **RUSTVACCINE™** provides a protective coating of superior adhesion, flexibility, abrasion- and impact-resistance. It is resistant to most chemical solvents and acid splash. **RUSTVACCINE™** can be used as a primer or a stand-alone coating. **RUSTVACCINE™** can be tinted to any color and can serve as a finished top

That is our commitment to the industry. Doing the right thing for the environment, should not place demands, instead, it should offer rewards.

WALLPANEL® can do R-30 walls roofs and floors with standard 6" thickness, and increase the R value up to R-60 on the same 6" thickness by coating the finished walls panels with our Multiceramics™ insulating coating.

We call this system SUPERTHERMAL®, The coating system will last a minimum of 25 years and provide 20 minutes fire proofing while blocking sound by an additional 68%. This system can be assembled by a single person without effort.

SIPs "Structural Insulated Panels" by definition WALLPANEL® complies with the description, the main difference is that WALLPANEL® can be shaped in the field without loosing it's structural strength or integrity, any design is possible and easily achieved with the wall panels, you make the decision right when is needed, no new engineering is ever needed.

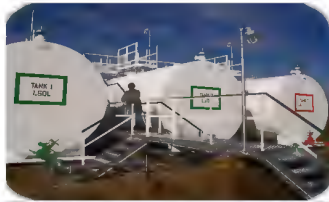


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Phones :

888-887-0144 - 928-443-0685



coat as well as a primer. Can encapsulate other paints and other toxic materials.

RUSTVACCINE™ can be applied directly over cleaned flash rust or most firmly bonded paints. In most cases, no metal blasting is required.

MARBLE-EMULATION



The **MARBLE-EMULATION Coating** is produced in two distinctive formats, a single component and a two-part Nano Technology "0" VOC aliphatic polyurethane enamel that forms a uniquely hard and durable coating film. This self-leveling coating is resistant to water, acids, solvent and impact. **MARBLE-EMULATION** is a system. **MARBLE-EMULATION** can be applied to metal, concrete, masonry, wood and many other substrates UV control, anti-microbial, anti-graffiti, or simply a tough clear coating to enhance and beautify any surface.

The significant Difference :

- 🔧 **WALLPANEL™ System, eliminates compliance concerns.**
- 🔧 **Walls are very fast and easily erected with minimum personnel.**
- 🔧 **The panels are of the standard 4" or 6" thickness.**
- 🔧 **The studs are at the standard 16" on center spacing.**
- 🔧 **The design makes it possible to meet the 16" on center studs and Trusses at 24" on center without top plates for load distribution.**
- 🔧 **Pre-cut electrical carriers.**
- 🔧 **Pre-molded central vacuum lines cavities that are self aligned from panel to panel.**
- 🔧 **Pre-Molded high velocity heating air condition lines.**
- 🔧 **No Chlorofluorocarbons,**
- 🔧 **Consistent high R 30 - 40 - 60 values without decay.**
- 🔧 **Meets or exceeds the requirement of all major building codes.**



- The fastest build up
- Uncomplicated efficiency and highest insulation per inch of thickness
- No special engineered panels are ever needed
- Roof systems for simplicity and incredible sound and insulation comfort
- Attic less residential are incredibly easy to install
- WALLPANEL is the most economical system available

Contact our offices for a distributor near you.

All other inquires can be made via Email or:

International inquires can be directed to our corporate headquarters by calling 928-776-2910

For dealerships in the United States call our toll free 888-887-0144

Email support@spertherm.net

Luxury and Economy Redefined

Exhibit C



- WALLPANEL R30 - R60
- Multi-Ceramic Coating RE19
- No Fade Acrylic Stucco
- No Fade TM Color Retention
- Clear Coatings
- High Temperature Coatings
- Corrosion Encapsulation
- Marble Emulation Coat
- Email Support
- Home

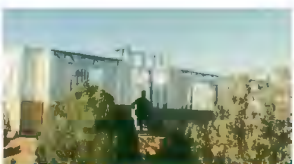
Green Efficiency and Beauty



Are some of the added benefits Architects, Builders and contractors enjoy when designing and building with the WALLPANEL™ wall panel System. Any project that includes Energy Conservation, Green Points, Speed or Budgetary constrains, can be accomplished exceeding the highest expectation.



WALLPANEL™ System does not require structural engineering stamps for every modification to the wall panels.



Simplicity and Strength

SUPERTHERM Inc.

Green products for a safer world



It takes cutting 60 or more trees to build a house with wood, that is not "Green" WALLPANEL system does not use or need wood.

The **HIGHTHERM R24 - SUPERTHERM™ R30** - or **SUPERTHERMAL R60** true insulation wall panels designed for commercial and residential applications, when conservation is a must this system is designed to achieve a super insulated stable structure that makes erecting residential building a simple task. **WALLPANEL™** is an innovative wall panel that can provide true R60 Insulation with a mere 6 inches of wall thickness, any structure constructed with the **WALLPANEL™** system will save up to 75% of the energy needed to heat or cool the building. All this at a lesser total construction cost than standard construction.

MultiCeramics™



MULTICERAMICS™ Insulation coating is a unique one-part coating composed of blend of nano acrylics and resin additives formula. **MULTICERAMICS™** provides R equivalent "RE" insulation and great surface finish, it has no VOCs, utilizes different types and sizes of ceramics that block 95% of the sun's radiant heat visual light, ultra violet rays and infrared rays.



MULTICERAMICS™ is a permanently flexible "breathing" membrane that stops water penetration, and prevents corrosion and surface deterioration with two additional advantages over other ceramic coatings. **MULTICERAMICS™** has **Micro Packing, No Fade, Nano** and **Cool Touch** technologies. It can save thousands every year in utilities expenses. **JUST PAINT AND SAVE!**

ACRYLIC STUCCO



ACRYLIC STUCCO is a mixture of high- performance acrylics specially blended for breath-ability, adhesion, flexibility, texture and toughness. Added in the formulation is a special ceramic and aggregate compound to insure a stucco texture surface but with the added characteristics not found in standard dry mix ratios of stucco. It is not affected by water or moisture-penetration, and is designed to stay down for a long bonding life. It will not crack and peel. It is UV-protected for long life and durability against weathering whether in hot or cool climates or under high humidity or very dry. It is tough and durable to provide years of service and added beauty.



EZ-HOT/COLD



EZ-Hot/Cold Coating™ will stop condensation of chilled or freezing lines with just a 1/8" of an inch, this coating is so efficient that can achieve very high insulation at less than half the thickness required by other insulation coatings.

EZ-Hot/Cold Coating™ is water borne to offer a non-flammable, no toxicity formula and zero VOCs for high heat or freezing applications . The Nano technology used in this coating offers a "micro-packing" set that is required for quick adhesion while at the same time offering a formulation to immediately calm the heat conduction from the surface of the pipe to give better adhesion to any surfaces.

CLEAR-COAT



Clear-Coat is produced in two distinctive formats, a single component and a two-part Nano Technology "0" VOC aliphatic polyurethane enamel that forms a uniquely hard and durable coating film. This self-leveling coating is resistant to water, acids, solvent and impact. **Clear-Coat** is a one-coating system. **Clear-Coat** can be applied to metal, concrete, masonry, wood and many other substrates that need UV control, anti-microbial, anti-graffiti, or simply a tough clear coating to enhance and beautify any surface.

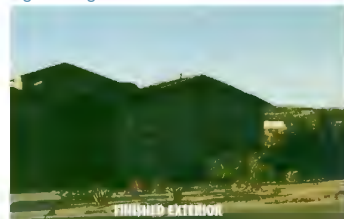
RUSTVACCINE™ is a one-part polyurethane coating that contains no VOC's or



That is our commitment to the industry. Doing the right thing for the environment, should not place demands, instead, it should offer rewards.

WALLPANEL® can do R-30 walls roofs and floors with standard 6" thickness, and increase the R value up to R-60 on the same 6" thickness by coating the finished walls panels with our Multiceramics™ insulating coating.

We call this system SUPERTHERMAL®, The coating system will last a minimum of 25 years and provide 20 minutes fire proofing while blocking sound by an additional 68%. This system can be assembled by a single person without effort. SIPs "Structural Insulated Panels" by definition WALLPANEL® complies with the description, the main difference is that WALLPANEL® can be shaped in the field without losing its structural strength or integrity, any design is possible and easily achieved with the wall panels, you make the decision right when is needed, no new engineering is ever needed.



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MARBLE-EMULATION



known carcinogens. Upon curing, RUSTVACCINE™ provides a protective coating of superior adhesion, flexibility, abrasion- and impact-resistance. It is resistant to most chemical solvents and acid splash. RUSTVACCINE™ can be used as a primer or a stand-alone coating. RUSTVACCINE™ can be tinted to any color and can serve as a finished top coat as well as a primer. Can encapsulate other paints and other toxic materials. RUSTVACCINE™ can be applied directly over cleaned flash rust or most firmly bonded paints. In most cases, no metal blasting is required.

The MARBLE-EMULATION Coating is produced in two distinctive formats, a single component and a two-part Nano Technology "0" VOC aliphatic polyurethane enamel that forms a uniquely hard and durable coating film. This self-leveling coating is resistant to water, acids, solvent and impact. MARBLE-EMULATION is a system. MARBLE-EMULATION can be applied to metal, concrete, masonry, wood and many other substrates UV control, anti-microbial, anti-graffiti, or simply a tough clear coating to enhance and beautify any surface.



The significant Difference :

- 1 WALLPANEL™ System, eliminates compliance concerns.
- 2 Walls are very fast and easily erected with minimum personnel.
- 3 The panels are of the standard 4" or 6" thickness.
- 4 The studs are at the standard 16" on center spacing.
- 5 The design makes it possible to meet the 16" on center studs and
- 6 Trusses at 24" on center without top plates for load distribution.
- 7 Pre-cut electrical carriers.
- 8 Pre-molded central vacuum lines cavities that are self aligned from panel to panel.
- 9 Pre-Molded high velocity heating air condition lines.
- 10 No Chlorofluorocarbons,
- 11 Consistent high R 30 - 40 - 60 values without decay.
- 12 Meets or exceeds the requirement of all major building codes.



- The fastest build up
- Uncomplicated efficiency and highest insulation per inch of thickness
- No special engineered panels are ever needed
- Roof systems for simplicity and incredible sound and insulation comfort
- Attic less residential are incredibly easy to install
- WALLPANEL is the most economical system available

Contact our offices for a distributor near you.

All other inquires can be made via Email or:

International inquires can be directed to our corporate headquarters by calling 928-776-2910

For dealerships in the United States call our toll free 888-887-0144

Email support@spertherm.net

Luxury and Economy Redefined

SUPERTHERM Inc.

MultiCeramics™

TECH SHEET

**Industrial & Residential****PHYSICAL DATA:**

- Solids:** By weight 60.6% / By volume 68%.
- Film Thickness:** On all substrates **MULTICERAMICS™** should be applied at 10 mils wet / 7 mils dry. Under no circumstances should **MULTICERAMICS™** be applied at less than 7 mils dry.
- Dry Time:** One hour to touch at 70F. degrees and bright sun / Overcoat window is two hours or longer at 70F. degrees / **Fully cures in two days.**
- Lead and chromate free.**
- Cures by evaporation with no co-solvents present.
- Weight:** 6 lbs. per gallon.
- Shelf Life:** up to 2 years (unopened) under appropriate storage conditions (see MSDS).
- VOC Level:** 0 grams/liter.
- pH:** 8.5 - 9.0. * **Viscosity:** 100-105 KU.

INSULATING WITH A SINGLE COAT NO THICKER THAN A BUSINESS CARD

RUSTVACCINE penetrates and locks in to encapsulate rust, lead paint, and other hazardous materials found in and around building structures. The danger associated with inhaling or ingesting these particles can be totally eliminated. **RUSTVACCINE** also has the ability to encapsulate substrates prone to mold and mildew without adding VOCs or dangerous chemicals to the environment in the process, this reduces cost in preparation and disposals, maintaining safety and contamination concerns in full control.

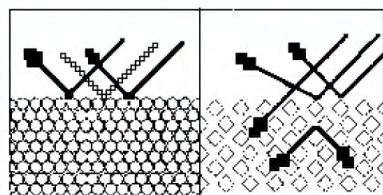
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High Tech Ceramics Insulation**DESCRIPTION:**

MULTICERAMICS™ is a unique one-part coating composed of blend of nano acrylics, and resin additives formula. **MULTICERAMICS™** utilizes different types and sizes of ceramics that block 95% of the sun's radiant heat visual light, ultra violet rays and infrared rays. **MULTICERAMICS™** is a permanently flexible "breathing" membrane that stops water penetration, and prevents corrosion and surface deterioration with two additional advantages over other ceramic coatings.

MULTICERAMICS™ No Fade and **Cool Touch** technologies.

TYPICAL USES:

- As a one-coat insulation system on exterior and interior substrates (roofs, walls, and floors)
- As an insulator for transportation vehicles, refrigerated containers, and railroad cars
- As insulation and to stop condensation on HVAC systems, tanks, and storage systems
- As a one-coat "flexible and breathable" protective system over metal, concrete, masonry, and wood to stop water penetration and corrosion, resist dirt, mold, mildew, and pollution, increase longevity, and reduce surface maintenance
- As a topcoat over **RUSTVACCINE** on metal roofs, or as an intermediate coat on flat roofs

Product Application and Handling**APPLICATION METHODS:**

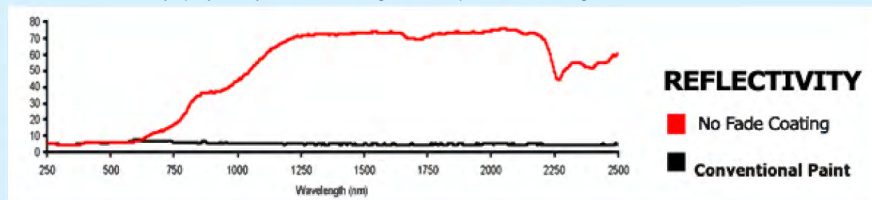
MULTICERAMICS™ can be applied to metal, concrete, masonry, and wood. The application can be by spray, brush, or roller. For specific instructions on surface preparation, mixing, and application, please refer to the application instructions for **MULTICERAMICS™**

SAFETY PRECAUTIONS:

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: proper ventilation, use of proper lamps, wearing of protective clothing and masks, tenting, and proper separation of application areas.

IMPORTANT:

Metal structures should be primed with **RUSTVACCINE** before applying **MULTICERAMICS™** can be applied by brush, roller or spray equipment. It should be applied evenly without buildup. Apply in a 2-coat application system of 8 mils each. CAUTION: As with any spray-able you should wear gloves and protective clothing.

**KEEP OUT OF REACH OF CHILDREN.**

For more specific safety procedures, please refer to the **MULTICERAMICS™** Material Safety Data Sheet.

LIMITATION OF LIABILITY: The information contained in this data sheet is based upon tests that we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the products made by WALLPANEL, whether in technical documentation, or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge is reliable. The products and information are designed for users having the requisite knowledge and industrial skills, and the end-user has the responsibility to determine the suitability of the product for its intended use.

WALLPANEL has no control over either the quality of condition of the substrate, or the many factors affecting the use and application of the product.

Therefore, WALLPANEL does not accept any liability arising from loss, injury, or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise).

The information contained in this data sheet is subject to modification as a result of practical experience and continuous product development. This data sheet replaces and annuls all previous issues and the user has the responsibility to ensure that this sheet is current prior to using the product.

Navigate Our Site**MULTICERAMICS™**

Quality Without Compromise



Efficiency and Beauty



Are some of the added benefits Architects, Builders and contractors enjoy when designing and building with the WALLPANEL™ System.

Any project that includes Energy Conservation, Green Points, Speed or Budgetary constrains, can be accomplished exceeding the highest expectation. WALLPANEL™ System does not requires structural engineering stamps for every modification to the panels.

Simplicity and Strength

That is our commitment to the industry.

ACRYLIC STUCCO



PRODUCT DESCRIPTION:

ACRYLIC STUCCO is a mixture of high- performance acrylics specially blended for breath-ability, adhesion, flexibility, texture and toughness. Added in the formulation is a special ceramic and aggregate compound to insure a stucco texture surface but with the added characteristics not found in standard dry mix ratios of stucco. It is not affected by water or moisture-penetration, and is designed to stay down for a long bonding life. It will not crack and peel. It is UV-protected for long life and durability against weathering whether in hot or cool climates or under high humidity or very dry. It is tough and durable to provide years of service and added beauty.

ACRYLIC STUCCO

was designed with "0" VOC's and no known carcinogens to coat a variety of surface structures on metal, wood, stone, concrete, fiberglass or composites without health concerns. If the quantity is a minimum of 300 gallons, **ACRYLIC STUCCO** can be batched in an assortment of colors as desired to beautify a home's appearance while providing a very attractive, durable surface to the wail structure for years of service. It breathes, and, unlike standard stucco, it can flex with the substrate without cracking giving years of maintenance-free service. Due to the blend of acrylics,

ACRYLIC STUCCO will not allow water to penetrate that can affect and damage substrates. It has added mildewcide in the formula to guard against the growth. When top coated with Multi-Ceramic RE19 Coating for insulation, the surface provides an insulating effectiveness equal to R-equivalency of 19 on the exterior walls and will not cover the stucco texturing.

APPLICATION METHODS:

Surfaces must be clean and dry before application. Any loose or flaking old paints or corrosion must be removed from the surfaces before applying. High pressure water-blasting (3500 psi) is as effective as light sand-blasting in removing loose or flaking surfaces. As a rule, "a coating is only as good as the surface it covers." Grease, oil, waxy substances, dirt, etc. must be cleaned from surfaces. Oil paints can remain if bonded solidly to surfaces.

ACRYLIC STUCCO

can be applied by a Graco Model 1030, 5-horse, airless sprayer or air pot sprayer, or trowel. Spraying requires a steel carbon tip of sires .064 or larger, if desired

IMPORTANT:

Do not take internally. Avoid contact with eyes. If solution does come in contact with eyes, flush immediately with water and contact a physician for medical attention. For quickest removal from skin, wash with water before drying.



The significant Difference :

- **Coating thickness: At 20 sq.ft./gallon: 64 dry mils (1/16 inch)**
- **Dry time: to touch - 12 hours to recoat - overnight**
- **Full cure - 7 days at 75 degrees Fahrenheit/ 50% relative humidity**
- **Percent solid: 70% by volume**
- **VOC: "0" lb./gallon Weight per gallon: 16.5 lbs.**
- **Weight per gallon: 16.5 lbs.**
- **Clean up: Soap and water for both person and equipment**
- **SURFACE COVERAGE: 20 sq.ft. per Gallon**



WALLPANEL® ACRYLIC STUCCO

- **The fastest build up single coat finish**
- **Uncomplicated efficiency and longer lasting system**
- **UV controlled to minimize aging and cracking**
- **Interior and exterior finishes available**
- **Moisture resisting in all weather conditions**
- **Incredible color retention that remains looking new for many years**

Doing the right thing for the environment, should not place demands, instead, it should offer rewards.

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Contact our offices for a distributor near you.

All other inquires can be made via Email or:

International inquires can be directed to our corporate headquarters by calling 928-776-2910

For dealerships in the United States call our toll free 888-WALLPNL (888-925-7265).

Email support@wallpanel-systems.com

Luxury and Economy Redefined



Technology for Energy Conservation

MultiCeramics™



MULTICERAMICS outperform other insulation coatings:

- R Equivalence with a 0.007 coat (Interior App.) With NO FADE and Cool Touch Technology
- R Equivalence with just 0.007 coat
- Sound Blockage
- MultiCeramics™ Technology line
- Outperforms Energy Star Best
- Surpasses California Cool Roof Program
- Tested better overall than the most expensive options
- Works on Interior/Exterior
- Class "A" Rated "0" Flame Spread
- Passed 5000 hours Salt spray tests
- USDA Approved
- Water Proof (Not just water resistant)
- Blocks 99.5% of Infrared
- Resists Mold & Mildew
- 25 Years residential life expectancy
- K value (0.07) ASTM Testing

PAY BACK RATIO TO INVESTMENT:

Solar photovoltaic systems : 5 to 20 years

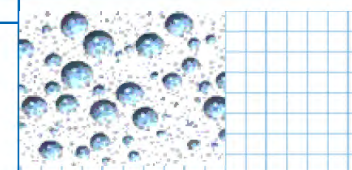
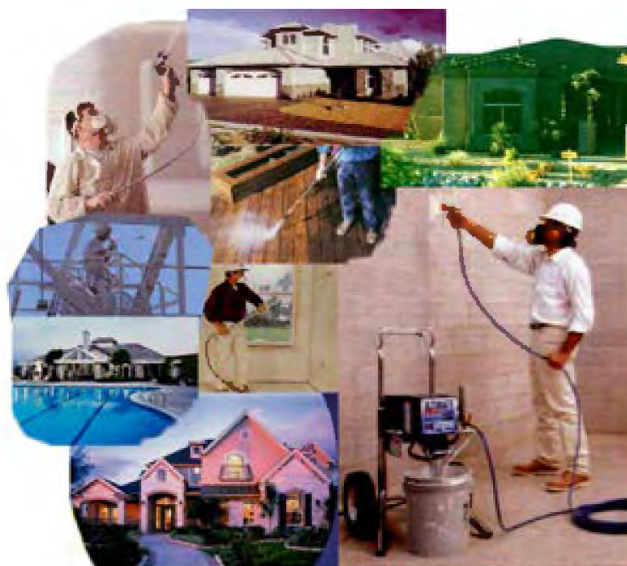
Appliances: 10 + years

Weatherization: 20 years

MULTICERAMICS: 1 1/2 year

Do The Math!

Now you have the information! Stopping climate change starts with you today, because it takes less resources to conserve 40% of the energy production, than to build the infrastructure to produce 40% more energy.

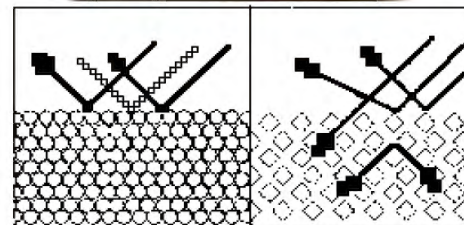


MultiCeramics™ Is a TECHNOLOGY!

Built with a blend of nano acrylics and polymers, which makes it flexible, yet tough It has Multi- ceramics technology to give not only reflective abilities but also non-conductive ability for heat and cold. Other electrometric reflective coatings as well as the many "ADD ON CERAMICS to cheap paint" type, have only one acrylic and a single reflective ceramic. MultiCeramics™ ceramics are not the rough



MULTICERAMICS™ Really works!



MicroPacking Vs. Plating

MultiCeramics™ technology provides corrosion protection and "MicroPacking" that reduces surfaces maintenance many times the normal life span of any application, it saves energy, provides longer life to properties and surfaces. Unlike the alternative fiberglass or foams, it poses no health hazards and offers greater comfort by outperforming all others under most conditions. MultiCeramics™ is the ultimate insulation material.

Chemically Different

Criteria for solar reflectance:

Flat and Low Slope Roof pitch	Initial solar reflectance	After 3rd Year solar reflectance	After 10 years
Energy Star : = or < 2:12	65%	50%	Not rated
EZ Cool Roof : = or < 2:12	82.2%	78.2%	*74%

MultiCeramics™ EZ Cool Roof System unique performance characteristics are based on a polymer chemistry that is amorphous, rather than crystalline, in nature. Crystalline liquids dry to a bed of thousands of tiny individual crystals, which can separate under maintenance traffic, temperature variations, or normal building flexion. Amorphous chemistries process a random molecular structure, drying to a fibrous, continuous film, with 25 times the elasticity of fiberglass felt.

High Strength to Weight

The MultiCeramics™ Superior Roofing System was developed with space age characteristics-unusual strength combined with weight that is up to 90% less than competing products. Combining a penetrating base coat with the spun-bond, continuous-filament polyester backbone fabric POLYFAB weighing

multifaceted type as the one found in other coatings,



MultiCeramics™ ceramics are specially manufactured. The unique size, types and shapes permits the ceramics to settle very tight together and not allowing air to interact between the ceramics producing the "Micro Packing" effect, this far surpasses older technology.



Proving-Ground Tough

While MultiCeramics™ is a space age chemical formulation, it is a fully tested product. It was derived after carefully

but 2.2 oz/sq. yd. (75 gr/m)- the complete system including reflective topcoat is no thicker than a dime, yet is strong enough to support a foot-curt-size weight in excess of 3500 pounds (1589 kg) before bursting.

Dimensional Stability

MultiCeramics™EZ Cool Roof System when bent, returns to its precise linear dimensions within a \pm tolerance. It remains 99% dimensionally stable throughout its useful life. This linear flexing without cracking or dimensional changes facilitates **MultiCeramics™** installation around cooler bases, exhaust chimneys and up parapets, and assures a continuous self-flashing, weather resistant seal over the entire roof's surface.

Fire Resistant

The **MultiCeramics™** Superior Roofing System offers an additional benefit to commercial and residential users in dry or fire-prone areas. While no lightweight roofing material is fireproof, **MultiCeramics™** has no flash point. Should an outside flame be applied directly to the roof's surface, the material itself will deteriorate, but will not ignite.

Embrittling-Resistant

After years in the sun, or of enduring climatic extremes, petroleum-based roofing matter can become brittle, and crack. **MultiCeramics™** has been formulated specifically to withstand the searing heat of the Arizona deserts while retaining inherent structural flexibility. To date, industrial and residential applications have undergone in excess of 105,120 hours of continuous exposure to the desert climate, including day/night temperature variations of 60 degrees (16° C) without failure and without embrittling.

Water Proof NOT "Moisture Proof"

The **MultiCeramics™ EZ Cool Roof System** continuous-filament, single-ply, fluid applied superior roofing system provides one of the most efficient long-life moisture barriers available in the industry today, with a moisture-vapor transmission rate of just 0.94 perms per mil.

No Added Plasticizers or Flame Retardants

The flexible, non-combustive qualities of the **MultiCeramics™**, Superior Roofing System are inherent in the product's chemical formulation, and remain properties of the cured film throughout its life. Some competitive coatings contain plasticizers and flame retardant additives, which leach out over time, causing the coating to become brittle and crack, permitting moisture to penetrate substrate materials.

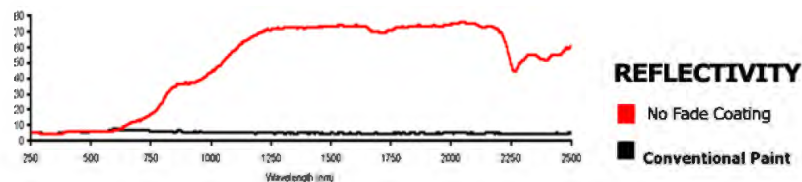
Long Life, Little Labor

Direct roofing costs can be divided into two categories, materials and labor. Labor traditionally Constitutes the greater percentage of such costs.

MultiCeramics™ EZ Cool Roof System was designed to reduce labor costs by:

- 1) Permitting application by unskilled labor, with hand tools only.
- 2) Lasting longer than ordinary roofs.
- 3) Its ability to be applied over virtually any sound old-roof surface, without expensive tear-off procedures.
- 4) Its inherent ease of maintenance. Should wear of surface fissures occur for any reason, they are readily repaired by one individual with a container of **MultiCeramics™**, a paint brush and POLYFAB fabric.

Energy Savings



Traditional roofs do more than divert the elements. In the past, they have also served as heat sinks, absorbing the sun's heat and redistributing it throughout building interiors-to the distress of occupants and the delight of utility companies. **MultiCeramics™** was formulated as both insulator and reflector designed to maintain comfortable interior temperatures at reduced utility cost. Formal testing indicates a solar reflectance for the product of 82.2%, more than three times greater than gravel-coat asphalt. As a result interior temperatures are reduced by up to 30°F (17° C) and roof expansion and contraction are held to minimum. In addition to this uniquely high reflectance capability, the **MultiCeramics™** Superior Roofing System features an insulating factor only slightly less than products up to 20 times its thickness. **MultiCeramics™** roofs have reduced interior temperatures by as much as 30 degrees in retrofit applications. Should design requirements dictate, the product is available in the full spectrum of colors. Reflective characteristics will vary with the color

documenting the performance characteristics of countless individual compounds. It has been "torture-tested" by such unusual applications as water pool walls and hot muffler patches. It has been proven in actual use throughout the United States and abroad under the most rigorous climatic conditions, and tested effective from subfreezing to searing desert temperatures. When used according to factory recommendations, it simply do not fail.



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density selected. Check with your MultiCeramics™ representative for specific information.

Multi-Ceramics - True Space Age Insulation Coating



NO-FADE COATING Technology for Energy Conservation



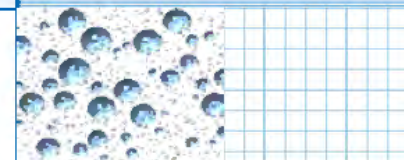
No-Fade Coating is one of the first water based acrylic urethanes, which has been formulated especially for chemically sensitive people and professional painters.

It is odor free, **No-Fade Coating** Does NOT contain any known hazardous toxic or carcinogenic materials such as benzene, ethylene glycol, volatile organic compounds, neurotoxins, lead, mercury, formaldehyde, heavy metals, or phthalates which can burn eyes and nose, cause headaches, or nausea.

EXTERIOR

Features :

- Virtually No Odor
- Exceptional Flow
- 0 VOC
- Nano Technology line
- Splatter Free
- Hypo-Allergenic
- Netonian Rheology
- Virtually No Sag
- One Coat Hide Technology
- Brush, Roll or Spray
- Dries Rapidly
- Moisture resistant
- No Known Carcinogens or Neurotoxins
- Resists Mold & Mildew
- Water Cleanup
- 10 Years residential no-fade color
- International Codes Council Approved
- Ecological friendly
- INTERIOR



NoFADE® Is a PAINT! Built with nano technology that contains "0" VOC's flexible, yet tough It has **NoFADE®** and cool touch technology built in to give not only reflective abilities but also extreme color retention and UV stability. **NoFADE®** ceramics are not the rough multifaceted type as the one found in other coatings, **NoFADE®** ceramics are designed to form "Micro Packing" for extreme color retention even dark colors in



MultiCeramics© technology provides corrosion protection and "micro packing" that reduces surfaces maintenance for 3 to 4 times the normal life span of any application, it saves energy, provides longer life to properties and surfaces. It poses no health hazards and offers greater comfort by outperforming all others under most conditions.

MultiCeramics© is the ultimate formulation material.

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extreme weather environments.

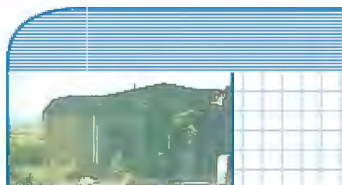
NoFADE© coating is formulated for interior or exterior applications is nearly odorless and dries in one our for a great look, on interior it will not emit gases or odor leaving a comfortable clean feeling.



Multi-Ceramics - True Space Age Insulation Coating

SUPERTHERM Inc.

CLEAR-COAT



- WALLPANEL R30 - R60
- Multi-Ceramic Coating RE19
- No Fade Acrylic Stucco
- No Fade TM Color Retention
- Clear Coatings
- High Temperature Coatings
- Corrosion Encapsulation
- Marble Emulation Coat
- Email Support
- Home

Efficiency and Beauty



Are some of the added benefits Architects, Builders and contractors enjoy when designing and building with the WALLPANEL™ System.

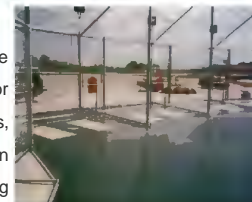
Any project that includes Energy Conservation, Green Points, Speed or Budgetary constrains, can be accomplished exceeding the highest expectation. WALLPANEL™ System does not requires structural engineering stamps for every modification to the panels.

Simplicity and Strength



The Clear Advantage

CLEAR-COAT is a tough, fast curing, single or two component polyurethane enamel, which produces a uniquely hard and durable coating film. **CLEAR-COAT** will demonstrate unsurpassed semi gloss retention, color retention, and chalk resistance, when utilized for exterior coating situations. **CLEAR-COAT** will provide outstanding resistance to water and humidity, stains, chemicals, and solvents, as well as tremendous scuff, mar, and impact resistance. Ideal for use on bridges applied by itself, or over other finishes for complete encapsulation of the metal, providing protection from rust and corrosion for a minimum of 20 years in normal circumstances. Resistant to hail damage and similar abuses that create opportunities for rust and corrosion. Completely UV- controlled and weather resistant. **CLEAR-COAT** is a self leveling formula for an outstanding finish. **CLEAR-COAT** can be used on flooring for a tough, long wearing surface surfaces must be completely clean and free from moisture and residues to allow the coating to adhere. In summary, the overall toughness, durability, and weather resistance of **CLEAR-COAT** polyurethane enamels, make them the ideal choice for demanding product applications for architectural maintenance that require the utmost in exterior durability. **CLEAR-COAT** is an ambient fast cure coating.



Other Uses For This Coating



GRAFFITI-PROOF RESISTANCE:

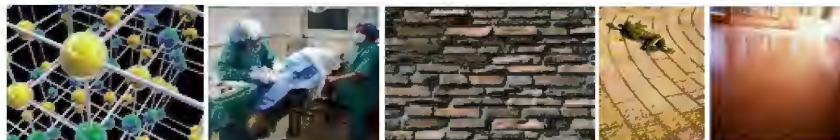
After **CLEAR-COAT** has been applied and allowed to cure for at least 5 days, applications of "Krylon" spray paint, Magic Markers, etc. can be wiped off completely with graffiti cleaner. The color white may show a slight shadow but all dark colors are completely clear of graffiti markings. **CLEAR-COAT** can withstand years of graffiti removal as it is not affected by solvents and does not breathe to allow spray paints or oils to penetrate its surface. Because of **CLEAR-COAT's** Nano technology chemistry and hardness provides penetration deep into a substrate for extreme adhesion, it has been used to strengthen and seal concrete and brick walls.



The significant Difference :



- ☑ For use on bridges
- ☑ Heavy equipment
- ☑ Flooring
- ☑ Petroleum valves
- ☑ Around salt air
- ☑ Or anywhere else there may be a more caustic environment
- ☑ Can be ordered in most any color
- ☑ Graffiti-Proof clear coat.
- ☑ No VOCs
- ☑ UV Controlled
- ☑ Urethane Tough
- ☑ Anti-Microbial Anti-Graffiti All Surfaces



- Uniquely Hard and Durable
- Resistant to Water Stains
- Resists Solvents & Chemicals
- Graffiti-Proof Clear Coating
- Spray - Roll - Brush
- Interior or Exterior Application



That is our commitment to the industry. Doing the right thing for the environment, should not place demands, instead, it should offer rewards.

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1999,2008

Phones :

888-887-0144 - 928-443-0685

Contact our offices for a distributor near you.

All other inquires can be made via Email or:

International inquires can be directed to our corporate headquarters by calling 928-776-2910

For dealerships in the United States call our toll free 888-WALLPNL (888-925-7265).

Email support@wallpanel-systems.com

Luxury and Economy Redefined

SUPER THERM Inc.

EZ-HOT / COLD

WALLPANEL R30 - R60

Multi-Ceramic Coating RE19

No Fade Acrylic Stucco

No Fade TM Color Retention

Clear Coatings

High Temperature Coatings

Corrosion Encapsulation

Marble Emulsion Coat

Email Support

Home

Efficient Insulation



The Clear Advantage

EZ-Hot/Cold Coating™ is a unique combination of high performance specially designed high temperature resins in a water borne formula. This coating will dry in 24 hours and can be aided in the dry down by adding high heat to the environment. **EZ-Hot/Cold Coating™** was built to be applied over hot surfaces to achieve immediate adhesion while calming down the hot surface, or over condensing pipes to stop the condensation. Using this coating as the primer and finish coat, we can achieve adhesion over the hot surface and create a surface that can be insulated to stop the loss of heat or heat gain on freezing lines,

EZ-Hot/Cold Coating™ will stop condensation of chilled or freezing lines with just a 1/8" of an inch, this coating is so efficient that can achieve very high insulation at less than half the thickness required by other insulation coatings.

EZ-Hot/Cold Coating™ is water borne to offer a non-flammable, no toxicity formula and zero VOCs for high heat or freezing applications. The Nano technology used in this coating offers a "micro-packing" set that is required for quick adhesion while at the same time offering a formulation to immediately calm the heat conduction from the surface of the pipe to give better adhesion to any surfaces.



APPLICATION METHODS

Surfaces must be clean and dry before application. Loose or flaking old paints or corrosion must be removed from surface before applying. Surface must be clean of all residues and debris. Surfaces can be cleaned by power washing the surfaces or sandblasted as a "brush blast or sweep-blast". This coating can best be applied by using a 5 horsepower 2 ½ gallon per minute airless sprayer at 3000 psi (.65tip) or hopper gun. Apply a tin coat as the primer over the hot surface, first to lock down and reduce the surface heat. Wait 15 minutes and apply to the thickness needed for heat reduction desired. If outside, overcoat with our top coat for weather and UV protection. Allow to dry one hour before re-coating. This is a water-based coating. Never apply if raining or chance of rain the day of application. **EZ-Hot/Cold Coating™** Is a thick coating that is applied in various simple methods. It does not swell and become fragile heating process. fights the appearance of condensation on its surface by the reaction of the ceramics. It is a natural corrosion-, fungus/mildew- resistant coating when not in operation against a fire.



IMPORTANT

Do not take internally. Avoid contact with eyes. If solution does come in contact with eyes, flush immediately with water and contact a physician for medical attention. Avoid prolonged contact with skin or breathing of spray mist. For quickest removal from skin, wash with water before drying. ALL filters must be removed to prevent sifting of ceramic particles.





Designing hot water distribution systems with **EZ-Hot/Cold Coating™**. Any project that includes Energy Conservation, Green Points, Speed or Budgetary constrains, can be accomplished exceeding the highest expectation.

EZ-Hot/Cold Coating™ System does insulation for extreme conditions from -50F to 600F

Simplicity

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The significant Difference

EZ-HOT / COLD

- ☞ 75.2@ solids volume.
- ☞ 60.3% solid by weight
- ☞ 3 pounds per gallon
- ☞ Dry-time: 15 minutes over hot surface, build up as needed 24 hours to fully dry.
- ☞ Spread:20 sq.ft. per gallon, giving 60 mil thickness
- ☞ Elongation:95%
- ☞ pH:8.5-9.0
- ☞ ZERO VOCs
- ☞ U.S.D.A. approved

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Luxury and Economy Redefined

SUPERTHERM Inc.

RUSTVACCINE**Oil Rigs Maintenance**

RUSTVACCINE is an easy to use, cutting-edge, one component coating that stops the progression of rust and corrosion, and protects the substrate far longer than conventional, industrial grade rust inhibitors. **RUSTVACCINE** is a uniquely designed, urethane coating that cures to an extremely hard, yet flexible surface resistant to acids and salts. The minimal preparation does not require a white sand blast which saves thousands of dollars wasted in man hours, equipment, and materials. Upon application, **RUSTVACCINE** penetrates deep into the pores of a surface anchoring in and actually becoming part of the substrate itself. This unique ability, combined with its excellent abrasion resistance, creates a system providing unequalled protection against surface rust and corrosion.

ABATING and PROTECTING STEEL and other MATERIALS

RUSTVACCINE penetrates and locks in to encapsulate rust, older paints, mold, and other hazardous materials found in and around building structures. The danger associated with inhaling or ingesting these particles can be totally eliminated. **RUSTVACCINE** also has the ability to encapsulate substrates prone to mold and mildew.

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Corrosion - Lead and Asbestos Encapsulation**Corrosion Abatement**

RUSTVACCINE is a one-part polyurethane coating that contains "0" VOC's and no known carcinogens. Upon curing, **RUSTVACCINE** provides a protective coating of superior adhesion, flexibility and abrasion/impact-resistance. It is resistant to chemical solvents and acid splash. Originally designed for metal surfaces, **RUSTVACCINE** demonstrates excellent adhesion to wood, concrete, fiberglass and many other substrates. **RUSTVACCINE** is designed for the encapsulation of and adherence to tightly-bonded surfaces of lead-based and other toxic paints as well as rusted surfaces. This unique ability is accomplished by the curing mechanism of the base polymer. The coating (having a low initial viscosity) wets the rusty surface, then penetrates to the foundation of the rust's origin where curing begins. **RUSTVACCINE** is highly recommended as a base coat for **MULTICERAMICS Insulation Coating**. No pot life, no catalyzation, no two-part mixing. Can substitute for zinc-rich primer requiring no white sand-blasting. Can be applied over rusted surfaces after loose/flaking material is removed. Dries in one hour and completely cures in 24 hours.

Navigate:**Product Application and Handling****APPLICATION**

Can power wash with solvent wipe down, light commercial blast, or power hand tool to remove loose flake and debris before applying. Can use power tool (within the guidelines of Clean Air Act) with vacuum to prep lead-based paints (as discussed at Steel Structures Painting Council--SSPC-- meeting March 15-17 attended by EPA and NIOSH) before applying **RUSTVACCINE** over rust or other paints. Possible alternative to abatement of other paints. Surfaces should be clean, dry and sound. Existing surface dirt, oil, tar, grease and film should be removed from surface by approved methods (TSP-Tri-Sodium Phosphate or equivalent) prior to application of **RUSTVACCINE**. MUST BE COMPLETELY DRY.

IMPORTANT:

Stir product thoroughly before using. **RUSTVACCINE** can be applied by brush, roller or spray equipment. It should be applied evenly without buildup. Apply in a 2-coat application system. CAUTION: Wear gloves and protective clothing. Extremely tough to clean off skin. Throw away brushes and rollers after use. Wear eye protection. Clean-up: For reduction, use water. If sprayed, keep water ready to clean equipment before breaks (lunch hour) or at conclusion of job.

**RUSTVACCINE****COMPATIBLE With**

D 4060 1000 Cycles Tabor Abrasion
5000 Hours Weathering
- Aging: Interior and Exterior
- Tensile Properties
D 1308 Chemical Resistance
D 2794 Direct Impact Resistance
D 1653 Water Vapor Transmission
E 84 Surface Burn "0" Spread
D 3273 Mildew Resistance
G 85 1500 Hours Salt Fog
Prohesion Boiling Water
Encapsulation of rust and other

Paints Testing:

Quality Without Compromise



- WALLPANEL R30 - R60
- Multi-Ceramic Coating RE19
- No Fade Acrylic Stucco
- No Fade TM Color Retention
- Clear Coatings
- High Temperature Coatings
- Corrosion Encapsulation
- Marble Emulation Coat
- Email Support
- Home

Green Efficiency and Beauty



Are some of the added benefits Architects, Builders and contractors enjoy when designing and building with the WALLPANEL™ wall panel System. Any project that includes Energy Conservation, Green Points, Speed or Budgetary constrains, can be accomplished exceeding the highest expectation.



WALLPANEL™ System does not require structural engineering stamps for every modification to the wall panels.



Simplicity and Strength

SUPERTHERM Inc.

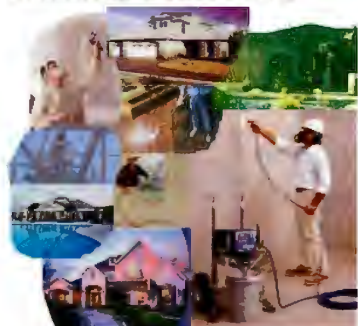
Green products for a safer world



It takes cutting 60 or more trees to build a house with wood, that is not "Green" WALLPANEL system does not use or need wood.

The **HIGHTHERM R24 - SUPERTHERM™ R30 - or SUPERTHERMAL R60** true insulation wall panels designed for commercial and residential applications, when conservation is a must this system is designed to achieve a super insulated stable structure that makes erecting residential building a simple task. **WALLPANEL™** is an innovative wall panel that can provide true R60 Insulation with a mere 6 inches of wall thickness, any structure constructed with the **WALLPANEL™** system will save up to 75% of the energy needed to heat or cool the building. All this at a lesser total construction cost than standard construction.

MultiCeramics™



MULTICERAMICS™ Insulation coating is a unique one-part coating composed of blend of nano acrylics and resin additives formula. **MULTICERAMICS™** provides R equivalent "RE" insulation and great surface finish, it has no VOCs, utilizes different types and sizes of ceramics that block 95% of the sun's radiant heat visual light, ultra violet rays and infrared rays.



MULTICERAMICS™ is a permanently flexible "breathing" membrane that stops water penetration, and prevents corrosion and surface deterioration with two additional advantages over other ceramic coatings. **MULTICERAMICS™** has **Micro Packing, No Fade, Nano and Cool Touch** technologies. It can save thousands every year in utilities expenses. **JUST PAINT AND SAVE!**

ACRYLIC STUCCO



ACRYLIC STUCCO is a mixture of high- performance acrylics specially blended for breath-ability, adhesion, flexibility, texture and toughness. Added in the formulation is a special ceramic and aggregate compound to insure a stucco texture surface but with the added characteristics not found in standard dry mix ratios of stucco. It is not affected by water or moisture-penetration, and is designed to stay down for a long bonding life. It will not crack and peel. It is UV-protected for long life and durability against weathering whether in hot or cool climates or under high humidity or very dry. It is tough and durable to provide years of service and added beauty.



EZ-HOT/COLD



EZ-Hot/Cold Coating™ will stop condensation of chilled or freezing lines with just a 1/8" of an inch, this coating is so efficient that can achieve very high insulation at less than half the thickness required by other insulation coatings.

EZ-Hot/Cold Coating™ is water borne to offer a non-flammable, no toxicity formula and zero VOCs for high heat or freezing applications . The Nano technology used in this coating offers a "micro-packing" set that is required for quick adhesion while at the same time offering a formulation to immediately calm the heat conduction from the surface of the pipe to give better adhesion to any surfaces.

CLEAR-COAT



Clear-Coat is produced in two distinctive formats, a single component and a two-part Nano Technology "0" VOC aliphatic polyurethane enamel that forms a uniquely hard and durable coating film. This self-leveling coating is resistant to water, acids, solvent and impact. **Clear-Coat** is a one-coating system. **Clear-Coat** can be applied to metal, concrete, masonry, wood and many other substrates that need UV control, anti-microbial, anti-graffiti, or simply a tough clear coating to enhance and beautify any surface.

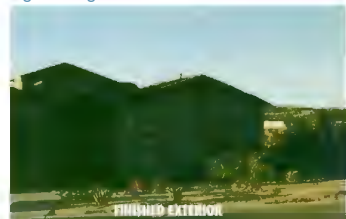
RUSTVACCINE™ is a one-part polyurethane coating that contains no VOC's or



That is our commitment to the industry. Doing the right thing for the environment, should not place demands, instead, it should offer rewards.

WALLPANEL® can do R-30 walls roofs and floors with standard 6" thickness, and increase the R value up to R-60 on the same 6" thickness by coating the finished walls panels with our Multiceramics™ insulating coating.

We call this system SUPERTHERMAL®, The coating system will last a minimum of 25 years and provide 20 minutes fire proofing while blocking sound by an additional 68%. This system can be assembled by a single person without effort. SIPs "Structural Insulated Panels" by definition WALLPANEL® complies with the description, the main difference is that WALLPANEL® can be shaped in the field without losing its structural strength or integrity, any design is possible and easily achieved with the wall panels, you make the decision right when is needed, no new engineering is ever needed.



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known carcinogens. Upon curing, RUSTVACCINE™ provides a protective coating of superior adhesion, flexibility, abrasion- and impact-resistance. It is resistant to most chemical solvents and acid splash. RUSTVACCINE™ can be used as a primer or a stand-alone coating. RUSTVACCINE™ can be tinted to any color and can serve as a finished top coat as well as a primer. Can encapsulate other paints and other toxic materials. RUSTVACCINE™ can be applied directly over cleaned flash rust or most firmly bonded paints. In most cases, no metal blasting is required.



The MARBLE-EMULATION Coating is produced in two distinctive formats, a single component and a two-part Nano Technology "0" VOC aliphatic polyurethane enamel that forms a uniquely hard and durable coating film. This self-leveling coating is resistant to water, acids, solvent and impact. MARBLE-EMULATION is a system. MARBLE-EMULATION can be applied to metal, concrete, masonry, wood and many other substrates UV control, anti-microbial, anti-graffiti, or simply a tough clear coating to enhance and beautify any surface.



The significant Difference :



- 📌 WALLPANEL™ System, eliminates compliance concerns.
- 📌 Walls are very fast and easily erected with minimum personnel.
- 📌 The panels are of the standard 4" or 6" thickness.
- 📌 The studs are at the standard 16" on center spacing.
- 📌 The design makes it possible to meet the 16" on center studs and
- 📌 Trusses at 24" on center without top plates for load distribution.
- 📌 Pre-cut electrical carriers.
- 📌 Pre-molded central vacuum lines cavities that are self aligned from panel to panel.
- 📌 Pre-Molded high velocity heating air condition lines.
- 📌 No Chlorofluorocarbons,
- 📌 Consistent high R 30 - 40 - 60 values without decay.
- 📌 Meets or exceeds the requirement of all major building codes.



- The fastest build up
- Uncomplicated efficiency and highest insulation per inch of thickness
- No special engineered panels are ever needed
- Roof systems for simplicity and incredible sound and insulation comfort
- Attic less residential are incredibly easy to install
- WALLPANEL is the most economical system available

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Luxury and Economy Redefined



- WALLPANEL R30 - R60
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- No Fade TM Color Retention
- Clear Coatings
- High Temperature Coatings
- Corrosion Encapsulation
- Marble Emulation Coat
- Email Support
- Home

Americans are building energy efficient homes We have shipped our structural panels in the Americas from Canada to Uruguay

Are some of the added benefits Architects, Builders and contractors enjoy when designing and building with the WALLPANEL™ System. Any project that includes Energy Conservation, Green Points, Speed or Budgetary constrains, can be accomplished exceeding the highest expectation. WALLPANEL™ System does not requires structural engineering stamps for every modification to the panels.

Simplicity and Strength

That is our commitment to the industry. Doing the right thing for the environment, should not place demands, instead, it should offer rewards.



The Clear Advantage

WALLPANEL® was designed to overcome the design shortcomings of other systems, and requires no special engineering or adaptation. The 18 gage studs are 16" OC, and staggered to support trusses at 24" OC, this eliminates the need for top plates to distribute the roof loads, since studs are at the standard 16" OC, sheet rock is attached in the same simple method as conventional construction. The studs are braced every 4' of height for outstanding load support. No exterior OSB sheeting is required, moisture barrier paper and lath can be attached directly to the panels, and stucco finished. Because the studs are fixed longitudinally there is no transfer of heat and the insulation, is uninterrupted therefore more complete, the two pounds density Polystyrene foam, is more dense than other systems which use a one pound density, while they need 7" of unconventional thickness to achieve R-30, WALLPANEL® can do R-30 with standard 6" thickness, and increase the R value up to R-60 on the same 6" thickness by coating the finished walls with our Multiceramic™ insulating coating. We call this system SUPERTHERMAL®, The coating system will last a minimum of 25 years and provide 20 minutes fire proofing while blocking sound by an additional 68%



The significant Difference :

- WALLPANEL™ System, eliminates compliance concerns.
- Walls are very fast and easily erected with minimum personnel.
- The panels are of the standard 4" - 6" and up to 12" of thickness.
- The studs are at the standard 16" on center spacing.
- The design makes it possible to meet the 16" on center studs and simultaneously deliver, Trusses support at 24" on center in the same panel without top plates for load distribution.
- Pre-cut electrical carriers.
- Pre-molded central vacuum lines cavities that are self aligned from panel to panel.
- Pre-Molded high velocity heating air condition lines.
- No Chlorofluorocarbons,
- Consistent high R 30 - 40 - 60 values without decay.
- Meets or exceeds the requirement of all major building codes.



- The fastest build up
- Uncomplicated efficiency and highest insulation per inch of thickness
- No special engineered panels are ever needed
- Roof systems for simplicity and incredible sound and insulation comfort
- Attic less residential are incredibly easy to install
- WALLPANEL is the most economical system available

Solving global warming isn't only about installing majestic wind turbines and glistening solar energy systems in the desert. One of the cheapest, most effective, and safest ways to reduce global warming pollution is to increase our energy efficiency. In fact, by using energy efficiency technologies and today's know-how, we could cut our global warming pollution by a third or better.

In the United States, we're off to a good start - innovation and improvements over the past 30 years have allowed our economy to grow faster than our energy consumption. Unfortunately, in the next 22 years our electricity consumption is expected to grow by 25%. That'll mean an extra 550 million tons of CO2 each year that we'll have to reduce to stop global warming.

The good news is that by aggressively improving our energy efficiency now, we can eliminate this increase. It'll take leadership and conscientious decisions, but there are plenty of examples of how energy efficiency has worked. For example, people using energy-efficient appliances in 2007



avoided global warming pollution equivalent to nearly 27 million cars. If everyone did likewise -- and we similarly improved America's buildings, industry, and transportation -- we could reduce annual emissions equivalent to nearly 400 million cars. That's 2 billion fewer tons of carbon dioxide (more than 6,000 times the weight of the Empire State Building!).

Building for energy-efficiency: In the United States alone, buildings are responsible for 25-35% of greenhouse gas emissions. By making simple changes, like using the proper insulation, we can save half or more of the energy it takes to heat, cool, light, and otherwise provide power to buildings. And, with buildings lasting for 40-50 years or more, efficiency choices we make now will last at least a generation.

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The Simplicity of the WALLPANEL System



Click thumbnail to enlarge.



[prev](#) | [next](#)

A vertical navigation sidebar with a blue gradient background and rounded corners. It features a central stack of ten blue, rounded rectangular buttons with white text. Above and below the buttons are decorative curved elements resembling a stylized arch or window frame. The buttons, from top to bottom, are labeled: "WALLPANEL R30 - R60", "Multi-Ceramic Coating RE19", "No Fade Acrylic Stucco", "No Fade TM Color Retention", "Clear Coatings", "High Temperature Coatings", "Corrosion Encapsulation", "Marble Emulation Coat", "Email Support", and "Home".

The System for the Informed

SUPERTHERM Inc

CLEAR-COAT



APPLICATION



WOOD FINISHING

Oil Rigs Maintenance



ENVIRONMENT



WOOD PRESERVATION

ANTI-GRAFFITI



STONE PROTECTION

ABATING BIO-HAZARDOUS MATERIALS

Clear Coating in three finishes - Hi-Gloss - Semi-Gloss - Satin



Clear-Coat is produced in two distinctive formats, a single component and a two-part Nano Technology "0" VOC aliphatic polyurethane enamel that forms a uniquely hard and durable coating film. This self-leveling coating is resistant to water, acids, solvent and impact. **Clear-Coat** is a one-coating system. **Clear-Coat** can be applied to metal, concrete, masonry, wood and many other substrates that need UV control, anti-microbial, anti-graffiti, or simply a tough clear coating to enhance and beautify any surface.

SURFACE PREPARATION

As a topcoat: Will protect longer and cost less

- Surface must be clean and free of dirt, oil, tar, grease, salts and residue.
- Surface must be completely dry before applying.
- Clear-Coat** must be applied in one or multiple coats to meet any thickness requirement
- If applied over an existing coating and this coating is glossed, it must be sanded and roughed before application, high gloss. Can be applied as a one-coating system for (graffiti protection in clear finish only).

Mixing:

- Open pail, mix base with curing agent.
- Mix by hand for two minutes.
- If below 70F. degrees, allow to stand for 10 minutes.
- Begin application; During summer months, apply the coating in the morning or after 4:00 p.m.

Pot Life:

Four hours at 70F. degrees; one hour at 90F. degrees, once base and curing agent have been mixed.

Navigate: Our Site



Support Team In Phoenix

Product Application and Handling

APPLICATION

- Clear-Coat** can be applied by brush, roller or spray;
 - If application is by brush, use a soft bristle brush.
 - If application is by roller, use a 1/4 inch nap roller. Use a brush to remove any trapped air bubbles, if any.
 - If application is by spray, use a standard airless sprayer (2,800 psi or less) with a .024 tip.
- NOTE:** The number of coats and the thickness of each coat will be in accordance with the job specifications.

Minimum Spread Rates:

Porous surfaces Apply in 2 coats at 200 sq.ft. per gallon, each coat (8 mils wet) - (3.67 mils dry) Non-porous surfaces -- Apply at 250 sq.ft./gallon (6.5 mils wet)

Cure Times:

- One hour to touch at 70F degrees.
 - Over coating window is three hours at 70F. degrees or longer.
 - Fully cures in ten days.
 - If temperature is over 90F. degrees, cure time and pot life is shortened to 1 hour.
- TEMPERATURE
- Apply between 40F. and 120F. degrees.
 - Store between 40F. and 120F. degrees according to hazmat standards indicated on MSDS.

CLEAN-UP

- During breaks, spray systems should be flushed with water.
- After completion, spray systems should be flushed and cleaned with water.
- After completion, brushes and rollers should be cleaned with water.

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IMPORTANT: Stir product thoroughly before using. **Clear-Coat** can be applied by brush, roller or spray equipment. It should be applied evenly without buildup. Apply in a 2-coat application system. **CAUTION:** Wear gloves and protective clothing. Wear eye protection. **WATER:** Clean-up or reduction, clean equipment before breaks (lunch hour) or at conclusion of job.

Quality Without Compromise

SUPER THERM Inc.

RUSTVACCINE

TECH SHEET



Industrial & Residential

PHYSICAL DATA:

Solids: By weight 42.2% / By Volume 51.37%**Cure time** at 70F (21C): 2 hours to touch.**Overcoat** with RUSTVACCINE or other coatings immediately after surface is dry to the touch to achieve proper

adhesion. Higher temperatures will shorten cure times, lower temperatures will slow curing. Can be over coated within 1 hour after reaching the dry-to-touch stage

Lead and Chromate free**Cures** by evaporation within 24 hours**Weight:** 12.18 lbs. per gallon**VOC Level:** "0" grams/liter

Impact Resistance: 200+ psi front/160+ psi back

Shelf Life: up to 2 years (unopened) under appropriate storage conditions see MSDSINSULATING WITH A SINGLE COAT NO THICKER
THAN A BUSINESS CARD

RUSTVACCINE penetrates and locks in to encapsulate rust found in and around building structures. The danger associated with inhaling or ingesting these particles can be totally eliminated. RUSTVACCINE also has the ability to encapsulate substrates prone to mold and mildew.

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High Tech Corrosion - Lead - Asbestos Encapsulation



DESCRIPTION:

RUSTVACCINE is a one-part polyurethane coating that contains no VOC's or known carcinogens. Upon curing, RUSTVACCINE provides a protective coating of superior adhesion, flexibility, abrasion- and impact-resistance. It is resistant to most chemical solvents and acid splash.

RUSTVACCINE can be used as a primer or a stand-alone coating. RUSTVACCINE can be tinted to any color and can serve as a finished top coat as well as a primer.

Can encapsulate other paints and other toxic materials. RUSTVACCINE can be applied directly over cleaned flash rust or most firmly bonded paints. In most cases, no near-white metal blasting is required.

TYPICAL USES:

As an encapsulant for paints, rust and other hazardous materials

As a protective coating on metal, concrete, wood, etc. to add strength and prevent deterioration

As a single coat for bridges, oil platforms, roofs, etc. with minimal surface preparation

As a moisture barrier to stop water penetration, contamination, and mold/mildew

Product Application and Handling

APPLICATION METHODS:

NOTE: SURFACE MUST BE COMPLETELY DRY.

Surfaces should be clean, dry and sound; all dirt, salts, oil, tar, grease and film must be removed prior to application. Can be sprayed, brushed or rolled in 2 coats (20-30 minutes apart). Before using, stir thoroughly without creating a vortex to blend all metallic paste from the bottom. For specific instructions on surface preparation, mixing and application, refer to the application instructions for RUSTVACCINE.

SAFETY PRECAUTIONS:

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: proper ventilation, use of proper lamps, wearing of protective clothing and masks, tenting, and proper separation of application areas.

IMPORTANT:

Metal structures should be primed with RUSTVACCINE before applying our insulation coatings



KEEP OUT OF REACH OF CHILDREN.

For more specific safety procedures, please refer to the RUSTVACCINE Material Safety Data Sheet.

Navigate Our Site

WALLPANEL R30 - R60

Multi-Ceramic Coating RE19

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Tinting

RUSTVACCINE can be :

Tinted to any color

Marine Approvals for salt water/maritime use:

US Coast Guard *

ABS (American Bureau of Shipping) *

IMO (International Marine Organization) *

FM Factory Mutual Approval E-108-00: spread of flame on pitched roofs (Class "A" non-combustible) *

Mildew Resistance - (ASTM D3273, 3274) *

Chemical Resistance (24 hours/12 reagents) *

Flexibility (Mandrel Bend : ASTM D522) - 1/8" *

Direct Impact Resistance (ASTM D2794) *

Adhesion (ASTM D3359, D4541) Water Vapor Transmission (ASTM D1653) *

Surface Burning Characteristics (E84) *

Weathering (5000 hours) - *

Scrub Resistance (ASTM D2486) * (ASTM E1795) *

*All these tests scheduled for approval.

SAFETY PRECAUTIONS:

Do not use this product without first

LIMITATION OF LIABILITY: The information contained in this data sheet is based upon tests that we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the products whether in technical documentation, or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge is reliable. The products and information are designed for users having the requisite knowledge and industrial skills, and the end-user has the responsibility to determine the suitability of the product for its intended use.

SUPERTHERM Inc. has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product.

Therefore, SUPERTHERM Inc. does not accept any liability arising from loss, injury, or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise).

The information contained in this data sheet is subject to modification as a result of practical experience and continuous development.

taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: proper ventilation, use of proper lamps, wearing of protective clothing and masks, tenting, and proper separation of application areas.

Quality Without Compromise

Exhibit D



TECHNICAL DATA SHEET

MULTICERAMIC-H™ (WPMC200) MC502-5H-Hydrophobic Insulation RE-20

DESCRIPTION: MULTICERAMICS-H™ is an interior/exterior 100 % Acrylic Waterproof Masonry Coating modified with Multi Ceramics Technology and Organic. Insulating Compounds, Made to protect residential and commercial buildings against the most extreme weather conditions. A high performance coating that creates a smooth film which seals and insulates all surfaces against thermal transfer and fire resistance. Applied as per specifications it can reduce unnecessary re-coating and repairs. Can be tinted to light colors, or coated over with good quality water based paint to any color on interior applications

BASIC USES: MULTICERAMICS-H is the ultimate waterproof coating for all kinds of cementations surfaces. Our hybrid technology provides unmatched adhesion to concrete, drywall, stucco, brick, cinder block, metal and cpvc pipe, galvanized ducting. It provides protection against wind driven rain and is fire resistant to provide outstanding protection against thermal transfer.

- PRODUCT ADVANTAGES:**
- * 3 in 1 Sealer-Primer-Finish
 - * Superior Adhesion
 - * Dirt pick-up resistance
 - * Bio-Proof Technology
 - * Water Clean Up
 - * Provides a Waterproof Barrier
 - * Durable- Flat Finish
 - * Stain Resistant
 - * Energy Savings
 - * Fire resistance

TECHNICAL DATA

Percent Solids	59.89 ± 1% by weight	Finish:	Flat
100% Acrylic	45.92 ± 1% by volume		
Weight / Gallon:	11.6 ± 0.5 lbs.	Viscosity:	90-100 Ku's
Color:	White (or tint light colors)	Percent Pigment	
		By weight:	38.7 ± 1%
Drying Time:	To touch: 1 hr To recoat: 24 hrs	Flash Point:	Non-flammable
	Fully cure: 7 days		
Recommended Coverage:	100 sq./ft. @ 10 dry mils, 13 wet mils	Theoretical Coverage:	1000 sq./ft. per gallon @ 1 mils
Sizes:	5 gallons 1 gallon	VOC's:	0

Do not thin. Use only as it comes.

SINGLE COAT: APPLY AT 13 MILS WET/ DRY AT 10 MILS.

SYSTEM SPECIFICATIONS FOR TWO COATS SYSTEM

Apply 1st Coat at a rate of 1 gallon per 75-100 sq.ft.

8 mils dry / 10 mils wet

Apply 2nd Coat at a rate of 1 gallon per 100-125 sq.ft. 8 mils dry / 10 mils wet

NOTE: This product has excellent suspension and requires minimal stirring. Do Not Thin.

SURFACE PREPARATION

Remove all dirt, dust loose or flaking rust. Use mild bleach solution with water to remove any mildew, algae, or mold from surface.

Surface must be power washed to remove dirt, loose paint, excess rust, and other foreign matter which could prevent proper adhesion. Surface must be completely dried before applying coating.

Remove efflorescence (white powdery, crystal-like deposit visible on masonry surfaces), using a solution of 1 quart of muriatic acid and 3 quarts of water. Use long handled brush. Rinse completely.

Caution: Read warnings on label. Wear rubber gloves and safety glasses. Never mix acid with other substances. Only mix with water.

CRACKS

Above grade or architectural walls: Make sure cracks and holes are clean and dry, with a putty knife apply EZ SEAL-Crack Filler into crack and 2 inches to both sides. Let dry thoroughly 24 hours before Coating. Refer to TDS.

Below grade or retaining walls: Make sure cracks and holes are clean; dry and free of loose particles. Patch all holes and cracks using a good quality, fast setting hydraulic cement, and smooth the patch evenly with the surface around it. Floor joints where walls and floor meet must be checked, for possible breaks, if necessary fill with a good quality fast setting hydraulic cement.

APPLICATION LIMITATIONS

Do not apply below 50° F (10°C) or when rain is forecasted. Low temperatures and high humidity will prolong coat dry time. Allow 4 +/- hours for coating to dry prior to being subjected to rain. KEEP FROM FREEZING.

CLEAN UP

Clean brushes and tools immediately after use with warm soapy water. Completely flush all spray equipment with this solution.

SAFETY INFORMATION

Refer to product Material Safety Data Sheet (MSDS) prior to product use.

IMPORTANT: Even though MULTICERAMICS-H™ will resist standing water (for 50 hours), do not use on roofs with a slope less than ½ inch per foot. (If used on roof with slope less than ½ inch per foot, warranty will be void if not re-coated annually with one coat of MULTICERAMICS-H™).

Mildewed Surface: Any existing mildew on the surface must be completely killed and removed prior to application of the product. (Any mildew not removed may continue to grow through the new finish). Scrub mildewed surface with the mixture of 1 quart of household bleach with 3 quarts of warm water, rinse completely and let dry.

Repair cracks and seams: Make sure cracks, seams, and flashings are clean and dry. With a putty knife, apply Crack Filler and a polyester weave over cracks, seams, flashings and around any standing objects about 2 inches to both sides, and let dry thoroughly for 24 hours before applying MULTICERAMICS-H™.

Application by roller: Apply the first coat of MULTICERAMICS-H™ onto the roof at a rate of 1 gals. 100 sq. ft. Avoid going twice over the same area. (Be sure to follow drying time between coats or membrane will be lifted or broken.) Allow 24 hours between coats as needed. Apply second coat in same manner as first (spreading it

with roller). Second coat should be at a rate of one gallon per 80 sq. ft. Let dry 24 hours between coats.

Water ponding areas: Areas where ponding water lasts one day or more must be repaired using roof drains or other corrective measures before applying MULTICERAMICS-H™

Concrete Roofs: Repair holes or any weakened areas of concrete surface with good quality masonry cement. Paint area to be repaired with a bonding Agent and let dry. Add one gallon of bonding agent to each fifty pounds of cement in the mix. Apply concrete mix and let cure for one week. Repair cracks using Crack Filler™ the patching weave as recommended.

Apply one coat of MULTICERAMICS-H™. Let dry 24 hours and apply a second coat when required.

Metal Roofs: Remove rust and prime non-galvanized metals with Metal Master Primer. For galvanized metals, use MULTICERAMICS-H™ Fasteners must be covered with Crack Filler™, and let dry 24 hours. Apply MULTICERAMICS-H™ Let dry 24 hours and apply a second coat.

Polyurethane Foam: Make sure surface is in good conditions, free of holes and cracks. If it's in optimum conditions apply one coat of MULTICERAMICS-H™, let dry for 24 hours and apply a second coat.

Fiber Glass, Plastics,Pvc: Clean surfaces free of grime and dust apply MULTICERAMICS-H™ at 13 mils wet/10 mils dry.

Built Up Roofs: Remove all loose gravel and clean roof thoroughly. Repair cracks with Crack Filler™ and MULTICERAMICS-H™, sealing completely all of the gravel. Let dry 24 hours. Continue with two coats of MULTICERAMICS-H™, allowing 24 hours to dry between coats.

Asphalt Singles: Roof must be clean and completely dry. Apply 2 coats of MULTICERAMICS-H™ at a rate of 100 sq. ft. per gallon. Let dry 24 hours between coats. Be sure all tabs are completely sealed. If not, apply Elastomeric Crack Filler™ and MULTICERAMICS-H™ High Strength Polyester Weave on tab joint as recommended, followed by an addition coat of MULTICERAMICS-H™.

Application: Apply MULTICERAMICS-H™ with a ¼" Rough Surface Roller or airless spray. Wait 24 hours between coats. Apply only when temperature is above 50°F (10°C). Do not apply if temperature is expected to drop below 50°F (10°C) before the coating has completely dried. If roof is hot, spray with water to avoid sealer from drying too fast. Two full coats are generally needed for proper sealing. Always apply coats in different directions. Never thin or dilute from full strength.

Recommended Equipment: Use an airless pump with pressure of 1,500 to 2,000 psi. A fluid delivery of 1 to 2 gallons per minute with a spray tip of .026 to .035 will be adequate. Wait 24 hours between coats. The hoses should be at least 3/8" inside diameter and of the high-pressure rate type. If the hose length is more than fifty feet, a larger inside diameter will be required.

Drying Time: Approximately 60 minutes to touch. Cure time is 7 days controlled by thickness of the applied coating, relative humidity and temperature. Allow 24 hours between coats.

Weather: Select a warm, clear and sunny day. Consult your weather bureau to make sure there is no forecast of rain. Do not apply after 4:00pm. Keep rain-free for a minimum of 6 hours after application.

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

Exhibit E



TECHNICAL DATA SHEET

MULTICERAMICS-U-Xtra™ MC-502-4X

DESCRIPTION: MULTICERAMICS-U™ is a thick, one component high performing, Urethane Ceramic Rubberized Elastomeric roof and wall sealer. It will provide a 100% waterproof and weather proof seal adhering tightly to any surface without the aid of a primer. The ceramic composition will significantly lower the interior temperature by reflecting 73% of all the sunrays and by eliminating 95% of the heat received.)

BASIC USES: For waterproofing and protecting a wide assortment of roofing substrates that are structurally sound such as conventional bituminous built-up roofs, polyurethane foam, concrete, metal, aged galvanize, bonded tar and gravel and or asphalt shingles adding fire resistance when applied in two coats.

- | | | |
|----------------------------|----------------------------|--|
| PRODUCT ADVANTAGES: | * Dries ultra fast | * Seals cracks and stops leaks |
| | * High resistance to algae | * Ultra white, thick and seamless |
| | * Dirt pick-up resistance | * Provides insulation, thus avoiding the heat from entering the building |
| | * Water ponding resistant | * Intumesces when exposed to heat source protecting substrate damage |
| | * 100% UV rays resistant | |

TECHNICAL DATA

Percent Solids:	59.89 ± 1% by weight 45.92 ± 1% by volume	Finish:	Flat (5°-10°)* *Geometry 60°
Weight / Gallon:	11.33 ± 0.5 lbs.	Viscosity:	120-125 Ku's
Color:	Blue on application; White in 3-4 hours	Percent Pigment by Weight:	38.7 ± 1%
Drying Time:	To touch: 1 hr To recoat: 24 hrs	Flash Point:	Non-flammable
Recommended Coverage:	60 sq./ft. @ 15 dry mils, 33 wet mils	Theoretical Coverage:	Up to 650 sq./ft. per gallon @ 1 mil
Sizes:	5 gallons 1 gallon		
Thinning:	Do not thin. Use only as it comes.		

Surface Protection: Make certain the roof substrate is thoroughly clean. Remove all foreign matter and old loose coatings by sandblasting, high-pressure water blasting (not recommended on shingles) or wire brushing. Kill and remove all mildew or fungus growth on the substrate, flush with water and let dry completely. Substrate must be dry at time of applying primer and subsequent coating. Be sure roof is well ventilated, in order to avoid condensation on the roof. Do not use on rubber roofs. Roof with standing water and improperly drained areas require annual maintenance (two coats of MULTICERAMICS-U™ every year).

IMPORTANT: Even though MULTICERAMICS-U™ will resist standing water (for 50 hours), do not use on roofs with a slope less than ½ inch per foot. (If used on roof with slope less than ½ inch per foot, warranty will be void if not re-coated annually with one coat of MULTICERAMICS-U™).

Mildewed Surface: Any existing mildew on the surface must be completely killed and removed prior to application of the product. (Any mildew not removed may continue to grow through the new finish). Scrub mildewed surface with the mixture of 1 quart of household bleach with 3 quarts of warm water, rinse completely and let dry.

Repair cracks and seams: Make sure cracks, seams, and flashings are clean and dry. With a putty knife, apply Crack Filler and a polyester weave over cracks, seams, flashings and around any standing objects about 2 inches to both sides, and let dry thoroughly for 24 hours before applying MULTICERAMICS-U™.

Application: Apply the first coat by pouring container of MULTICERAMICS-U™ onto the roof and spreading at a rate of 2-4 gals. 120-240 sq. ft. Avoid going twice over the same area. (Be sure to follow drying time between coats or membrane will be lifted or broken.) Allow 24 hours between coats as needed. Apply second coat in same manner as first (by pouring product and spreading it with roller). Second coat should be at a rate of one gallon per 80 sq. ft. Let dry 24 hours between coats.

Water ponding areas: Areas where ponding water lasts one day or more must be repaired using roof drains or other corrective measures before applying MULTICERAMICS-U™

Concrete Roofs: Repair holes or any weakened areas of concrete surface with good quality masonry cement. Paint area to be repaired with a bonding Agent and let dry. Add one gallon of bonding agent to each fifty pounds of cement in the mix. Apply concrete mix and let cure for one week. Repair cracks using Crack Filler™ the patching weave as recommended.

Apply one coat of MULTICERAMICS-U™. Let dry 24 hours and apply a second coat.

Metal Roofs: Remove rust and prime non-galvanized metals with Metal Master Primer. For galvanized

metals, use MULTICERAMICS-U™ Fasteners must be covered with Crack Filler™, and let dry 24 hours. Apply MULTICERAMICS-U™ Let dry 24 hours and apply a second coat.

Polyurethane Foam: Make sure surface is in good conditions, free of holes and cracks. If it's in optimum conditions apply one coat of MULTICERAMICS-U™, let dry for 24 hours and apply a second coat.

Built Up Roofs: Remove all loose gravel and clean roof thoroughly. Repair cracks with Crack Filler™ and MULTICERAMICS-U™, sealing completely all of the gravel. Let dry 24 hours. Continue with two coats of MULTICERAMICS-U™, allowing 24 hours to dry between coats.

Asphalt Singles: Roof must be clean and completely dry. Apply 2 coats of MULTICERAMICS-U™ at a rate of 60 sq. ft. per gallon. Let dry 24 hours between coats. Be sure all tabs are completely sealed. If not, apply Elastomeric Crack Filler™ and MULTICERAMICS-U™ High Strength Polyester Weave on tab joint as recommended, followed by an addition coat of MULTICERAMICS-U™.

Application: Apply MULTICERAMICS-U™ with a ¼" Rough Surface Roller or airless spray. Wait 24 hours between coats. Apply only when temperature is above 50°F (10°C). Do not apply if temperature is expected to drop below 50°F (10°C) before the coating has completely dried. If roof is hot, spray with water to avoid sealer from drying too fast. Two full coats are generally needed for proper sealing. Always apply coats in different directions. Never thin or dilute from full strength.

Recommended Equipment: Use an airless pump with pressure of 1,500 to 2,000 psi. A fluid delivery of 1 to 2 gallons per minute with a spray tip of .026 to .035 will be adequate. Wait 24 hours between coats. The hoses should be at least 3/8" inside diameter and of the high-pressure rate type. If the hose length is more than fifty feet, a larger inside diameter will be required.

Cleannp: Clean roller and equipment after use with warm soapy water.

Drying Time: Approximately 60 minutes to touch. Cure time is controlled by thickness of the applied coating, relative humidity and temperature. Allow 24 hours between coats.

Weather: Select a warm, clear and sunny day. Consult your weather bureau to make sure there is no forecast of rain. Do not apply after 4:00pm. Keep rain-free for a minimum of 6 hours after application.

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

M.S.D.S: Available upon request.

Exhibit F



MULTICERAMICS-H



PRODUCT USE: INSULATION DATED: 04/23/2014 PRODUCT I.D. MC502-5H

EMERGENCY TELEPHONE NUMBER: 888-887-0144

SECTION II - HAZARDOUS INGREDIENTS:

HAZARDOUS INGREDIENTS	%	CAS/PIN	LD ₅₀ (Species/Route)	LC ₅₀ (Species)
None Known	0	N/A	N/A	N/A

SECTION III - PHYSICAL STATE:

VOC (gm of VOC less water)	0 gm/L			
PHYSICAL STATE:	White			
APPEARANCE AND ODOR:	Missible in water			
SOLUBILITY IN WATER:	Soluble/miscible			
FREEZING POINT:	BOILING POINT:	100 c	pH:	
SPECIFIC GRAVITY:	ODOR THRESHOLD:	Mild		
COEFF. WATER/OIL:	EVAPORATION RATE:	(BUOAC =1) 1 for water	% VOLATILES:	N/A
VAPOR DENSITY (Air=1):	1	VAPOR PRESSURE:	WEIGHT/gal =	11 ± LBS

SECTION IV - FIRE OR EXPLOSION HAZARD:

CONDITIONS OF FLAMMABILITY:	Not flammable, water-based product		
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon. If water is all evaporated non-volatiles will burn giving off Carbon monoxide, Carbon dioxide, and hydrogen chloride.		
AUTO IGNITION TEMP:	NAP	MINIMUM IGNITION ENERGY:	NAV
FLAMMABLE LIMITS:	(Lower) LEL Not Applicable	(Upper)	NAP
FIRE POINT:	NAV	FLASH POINT & METHOD:	NAP
SENSITIVITY TO MECHANICAL IMPACT?:	No	SENSITIVITY TO STATIC DISCHARGE?	No

SPECIAL PROCEDURES: Special Firefighting Procedures: None except in confined areas. Wear NOSH/MSHA approved self-contained full face positive pressure breathing apparatus and appropriate protective clothing.

MEANS OF EXTINCTION: Water is recommended for combustible fiber containers of 50 gallons. This is a water-bone coating; it will not burn, unless all the water has evaporated. The dried polymer in the product will burn. In this case, use foam, carbon dioxide, dry chemical or water.

SECTION V - REACTIVITY DATA:

Stable	
CHEMICAL INCOMPATIBILITY:	Acid and salt solutions may coagulate the binder. Avoid strong oxidizing substances.
CONDITIONS OF INSTABILITY:	Avoid extreme heat. Avoid freezing, product will coagulate.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxide of carbon and hydrogen chloride may be formed by the pyrolysis of solids.

CORROSIVE BEHAVIOR? No

SECTION VI - TOXICOLOGICAL PROPERTIES:

ROUTES OF ENTRY:

SKIN CONTACT	No	SKIN ABSORPTION	No	EYE CONTACT	Yes
INHALATION	No	INGESTION	Yes	SYNERGISTIC PRODUCTS	None known



MULTICERAMICS-H



EXPOSURE LIMITS:	OSHA Permissible Exposure Limits (PEL) and Threshold Limit Value (ACGIH)- Not established.
EFFECTS OF ACUTE EXPOSURE:	Liquid splash could result in eye or nose irritation and /or headache.
EFFECTS OF CHRONIC EXPOSURE:	Excessive exposure to liquid product may result in minor irritations.
ENGINEERING CONTROLS:	
STORAGE REQUIREMENTS:	Protect product from overheating. Avoid freezing temperatures. Storage tanks should be lined or constructed of 316 SS to prevent corrosion.
HANDLING PROCEDURES/EQUIPMENT:	Other precautions: For Industrial use only. No special precautions needed if product is handled in accordance with good manufacturing practices. Avoid freezing, since this will cause the binder to coagulate. Always wash up after handling product and before eating, drinking, smoking, or using restroom facilities.
LEAK/SPILL PROCEDURES	Restrict areas to only those personnel needed. Stop discharge and contain spill or contaminated material using, dike, barrier or other means. Recover with pumping equipment, vacuum truck, absorbent, vermiculite or other means. Place contaminated material in suitable containers for further handling. Check federal, state and local reporting regulations. Do not flush to stream, other bodies of water or sewer. Avoid contact with eyes or skin.
WASTE DISPOSAL:	a) Recycle, if feasible. b) Incinerate in authorized facility. C) treatment at industrial or liquid waste facility. d) Landfill in authorized facility. (Solidification or fixation may be required prior to landfill disposal) Notes: If discarding this material, dispose of in accordance with local, state, and federal regulations.
SENSITIZATION:	Not expected
SECTION VIII - : FIRST AID	
INHALATION Respiratory Protection	None should be required if adequate ventilation is provided. Otherwise, a NIOSH/MSHA approved chemical cartridge respirator with organic vapor cartridge) is recommended within equipment limitations. Comply with OSHA 1910.134 (29 CRF), Respiratory Protection.
EYES:	Safety glasses and available eye bath.
SKIN:	For hands and body: Chemical resistant gloves impervious to water and soap are recommended for hand protection. Work clothing for general body protection and other protective clothing as necessary to prevent repeated or prolonged skin contact.
OTHER:	Ventilation: General (mechanical) room ventilation is expected to be satisfactory. Other: 1) Use under well-ventilated conditions. 2) For personal hygiene protection, we recommend that the employees wash thoroughly after handling product. Always wash up before eating, dinking, smoking or using restroom facilities.
SECTION IX - : LABELING REGULATORY INFORMATION	
SECTION VIII - FIRST AID MEASURES:	TOSCA The product meets the compositional requirements of the toxic substance control act and contains only chemicals ingredients that are listed on toska inventory. Sara title III, sec 313, this product does not contain toxic chemical at or above the minimum concentrations subject to the reporting requirements of section 313 of title III of the Superfund Amendments and reauthorization Act of 1986 (SARA) and 40 C.F.R. part 372. PROP 65. Are paints and coatings containing ingredients that are allowed for use in the state of California under the regulations of prop 65 which contain no known chemicals to cause cancer and/or birth defects or other reproductive harm D.O.T. shipping name: Non-Regulated D.O.T. shipping label: Not Applicable
MSECTION X - : USER'S RESPONSIBILITY	A bulletin like this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operations should be examined to determine if or where precautions, in additions to those described herein, are required. Any health hazard and safety information contained herein should be passed on to your consumers and/or employees, as the case may be. Wallpanel, Inc. must rely on the user to utilize the information we have supplied to develop work practice guidelines and employee instructional programs for the individual operation.
DISCLAIMER OF LIABILITY:	The information contained herein is to the best of our knowledge and belief, accurate.