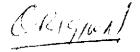


## Tennessee Technological University

College of Engineering - Department of Chemical Engineering Box 5013 . Cookeville, TN 38505 . 615-372-3297



January 23, 1989

Superior Products of Kan-Tex, Inc. PO Box 2357 Salina, KS 67402-2357 Attn: Mr. Pritchard

Dear Mr. Pritchard,

I'm sorry you weren't able to attend the reflective coating meeting at Tenn Tech. Perhaps next time. Emittance measurements were made in December on the samples you prepared.

The results are as follows. SCADE: O(poor) - 1.00(excellent) \*

	Mat	cerial	Average Emittance	(5 measurements)	Std.	Deviation
	1.	Galvanized (BARE)	netal)	0.046		0.002
<b>K</b> X	2.	Thermø Shield over Rust Shield over Metal	er	0.901		0.010
	3.	Thermo Shield over gray layer, over rubber, or Rust Shield over metal	-	0.872		0.004
	4.	Round disk a) Water Shield 8 b) Thermo Shield Paint Side	Side	0.883 0.874		0.003 0.011

The differences in emittance between 2,3,4a, and 4b are not significant. The high emittance (around 0.9) is a desirable property for exterior surfaces in the summer.

Sincerely,

David W. Yarbrough, Chairman Department of Chemical Engineering

<sup>\*</sup> Explanation Added To DUCHMENT

XX Product prime changed to SUPBIR THERM

8162411772;# 2/ 2

TEST RESULTS - SUPER THERM III SUPER THEM III TEST 15-20 min. Dry Time Viscosity thehness
Gloss (20°/60°) high ofor for equipment 128 K.U. (on heavy side) 1.5/2.2Fair → Good (with some brush marks) Brushability Adhesion - Vinyl 5 - Wood 5 - Steel - Concrete WB Tremclad 5 : - Painted 5 - Unpainted < 3BPencil Hardness No change in colour, no failure Heat Resistance @ 1000°F Pass Flexibility Impact Resistance 80 in.1b. - Direct 80 in.lb. - Reverse 10 days salt spray exposure Corrosion Resistance 100% surface rust Surface Xenon (20°/60°) (pooder) 100% under rust 1.6/2.31,000