

## TEST REPORT

PULL OFF ADHESION TESTS

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## **1. SAMPLE DETAILS**

Client:	Ceramic Heatshields & Protective Coatings Pty Ltd PO Box 498 Bullmba QLD 4171	
Submitted by:	Don Cuttings	
Sample details:	Rust Grip paint together with various substrates	
Requirement:	Pull off adhesion of Rust Grip to various metal substrates.	

## 2. TEST METHOD

The substrates supplied were coated with Rust Grip in accordance with the manufacturer's recommendations. The coating was allowed to cure for a period of 3 weeks before the pull off adhesion was undertaken.

AS/NZS 1580.408.5:1994 'Adhesion – Pull-off test was used to determine the adhesion of the coating to the metal substrates. The Elcometer 106-1 (SN 1001) calibrated 19/09/2005 Range 0.5 to 3.5 Mpa was used. A two-part epoxy adhesive was used to stick the dollies in place and allowed to cure for 3 days. The testing was conducted in the laboratory under routine testing conditions.

Sample	Substrate	Adhesive Strength	Mode of Failure
		(MPa)	
Rust Grip	New Steel	2.7	Within coating
		3.4	Within coating
		>2.7	Adhesive/coating
Rust Grip	Old Rusty Steel No mill scale	>3.4	Adhesive/coating
		>3.5	None
		2.6	Within coating
Rust Grip	New Galvanizing	>3.5	None
		>2.7	Adhesive/coating
		>0.6	Adhesive/coating
Rust Grip	Aged Galvanizing	1.3	Within coating
		1.1	Within coating
		1.2	Within coating

## 3. **RESULTS**

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