Test Report: Reference: - AB0818/2 – Page 1
Prepared August 2018
Authorized by A Blackburn

Brief: - Determination of adhesion strength by Pull-Off method of EGC101 in Black and White in the manner of ASTM D4541

Method:

Substrates:
80 grit abraded and degreased cold rolled steel 0.032” thick
Where stated CR steel coated with 2-coats Raptor Epoxy Primer applied as per product specification.

Application: coating was applied using a Shutz gun at 50 psi. Application as two medium coats with a 30-minute flash off time observed between coats..

Coating was allowed to cure at 20°C ±2°C for 30-days before testing.

Elcometer F510-20T serial Number TB05830
20mm dolly, 1.00 mPa/s
Conditions 20C Relative Humidity 50%
Test type V (Test Method E)

EGC101	Test 1		3.20	Mpa/s	Failure of adhesive	
over	Test 2		3.45	Mpa/s	Failure of adhesive	
Epoxy	Test 3		3.29	Mpa/s	Failure of adhesive	
						480.1
		Average	3.31	Mpa/s		PSI/s
EGC101	Test 1		3.08	Mpa/s	Adhesion failure	
Bare	Test 2		2.71	Mpa/s	Adhesion failure	
Metal	Test 3		3.02	Mpa/s	Adhesion failure	
						426.4
		Average	2.94	Mpa/s		PSI/s

White	Test 1		3.69	Mpa/s	Failure of adhesive	
over	Test 2		3.77	Mpa/s	Failure of adhesive	
Epoxy	Test 3		3.83	Mpa/s	Failure of adhesive	
		Average	3.76	Mpa/s		545.3 PSI/s
White	Test 1		3.36	Mpa/s	Adhesion failure	
Bare	Test 2		3.85	Mpa/s	Adhesion failure	
Metal	Test 3		4.11	Mpa/s	Adhesion failure	
		Average	3.77	Mpa/s		546.8 PSI/s