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October 30, 2020

Letter report number 103823888CRT-010c Project number 103823888-311

Plasti-Bond RedH2OT 1100 US Highway 271 South Gilmer, TX 75644

Subject: Follow-up test results on your steel conduits

Dear Ms. Stephanie Ellis,

Intertek is pleased to provide this letter report covering the quarterly follow-up testing on your steel PVC coated galvanized rigid steel (GRC) conduit: Plasti-Bond threaded and non-threaded part number PRHCONDUIT-1/2". The samples were received at Intertek on October 05, 2020, for Quarter 4, 2020 follow-up testing and were production samples in undamaged condition.

As part of Intertek's ETL Verified Program for PVC Coated Conduits (PVC-001), the conduits were conditioned during 200 hours as per the method defined in ASTM D 870-09 (Standard Practice for Testing Water Resistance of Coatings Using Water Immersion). It is an alternative practice to ASTM D 2247 (and vice-versa).

Before and after the conditioning period, two (2) standard test methods are used to evaluate the adhesion of both the internal and external coatings.

For the <u>internal coating</u>, we use the standard ASTM D 3359-09: Standard Test Methods for Measuring Adhesion by Tape Test, Test Method B.

For the <u>external coating</u>, we use the section 3.8 of NEMA RN 1 (dated 2005): Polyvinyl-Chloride (PVC) Externally Coated Galvanized Rigid Steel Conduit and Intermediate Metal Conduit.

The testing was performed at Intertek, located in Cortland, NY from October 21 through October 30, 2020 to the Intertek High Temperature H<sub>2</sub>O PVC Coating Adhesion Test Procedure for 200 hours in water at a temperature of 95 °C  $\pm$  5 °C and are compliant with the applicable requirements of the test specification. The test results are enclosed to this letter report.

We have appreciated this opportunity to be of service to you. If there are any questions regarding this letter or if you require any other service offered by Intertek, please do not hesitate to contact us.

Sincerely,

Antoine Pelletier Project Engineer Global Cabling Products Testing

1. ...

David Ayers Technician Global Cabling Products Testing



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Client: Plasti-Bond TX	Project #: G10	roject #: G103823888 Quarter 3/2020 Test Start Date: 10/21/202 Test End Date: 10/30/202				
<b>Specification:</b> Intertek High Temp H Procedure for 200 hours in H <sub>2</sub> 0 at a te 870-09)				Test: Adhe	sion of PVC Coating	
Test Sample	Internal	Internal coating *		coating **		
	Un-aged	Aged	Un-aged	Aged		
Plasti-Bond Color Red Un-Threaded						
Sample	1 10	10	10	10		
Sample	2 10	10	10	10		
Sample	3 10	10	10	10		
Avera	ge 10	10	10	10		
Plasti-Bond Color Red Threaded						
Sample	1 10	10	10	10		
Sample	2 10	10	10	10		
Sample	3 10	10	10	10		
Avera	ge 10	10	10	10		
	Equipm	Equipment Used		Control #	Calibration Due Date	
		Omega Humidity Temperature Meter		1074	3/05/2021	
Test Technicia		David Ayers D.A.				
Dat		10/30/2020				
Note	s: Compliant					

\* The internal coating adhesion is tested as per ASTM D 3359-09, Test Method B and is rated as in accordance with the

following table. \*\* The external coating adhesion is tested as per NEMA RN 1 (2005), section 3.8 and is rated as in accordance with the following table.

Rating	Internal Coating Rating	External Coating Rating	
0	or worse	Poor	
2	Worse than but no better than	Poor – Spotty	
4	Worse than but no better than	Spotty – Poor	
6	Worse than but no better than	Spotty	
8	Worse than worker than	Good – Spotty	
10	No worse than	Good	