



**REPORT OF TEST DATA**

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**SUBJECT: Results of Physical Testing in Accordance with AWWA C222-08;  
KTA Project No. 370078-R3**

Authorization to proceed for proposal number PN167406 was received on 01/30/2107. The testing was performed in accordance with AWWA C222-08, “Polyurethane Coatings for the Interior and Exterior of Steel Water Pipe and Fittings” on samples designated as Pipe Pro Ultra (BX02-5903) by Polycoat Products, LLC. A summary of the results is provided below. A report containing a detailed description of the testing is available upon request.

**Summary Results of Testing in Accordance with AWWA C222-08**

Test	AWWA C222-08 Requirement	Laboratory Testing Result	Pass/Fail
Cathodic Disbondment	12 mm radius, maximum	Disbondment – CD1: 8 mm, CD2 and CD3: Complete Disbondment Radial Staining – CD1: 3 mm, CD2 and CD3: 4 mm	Pass
Flexibility	No cracking or delamination	No cracking or delamination	Pass
Impact Resistance	75 in-lbs, minimum	125.8 in-lbs	Pass
Abrasion Resistance	100 mg weight loss, maximum	74 mg	Pass
Chemical Resistance	5% change in mass, length or width, maximum	< 5% change in mass, length or width: 10% H <sub>2</sub> SO <sub>4</sub> , 30% NaCl, 30% NaOH, No. 2 diesel fuel	Pass
Dielectric Strength	250 V/mil, minimum	769 V/mil	Pass
Water Absorption	2.0%, maximum	1.33%	Pass
Hardness	65 Shore D, minimum	83 Shore D	Pass
Adhesion to Steel	1,500 psi, minimum	>3,571 psi, average	Pass



Analysis Performed by: Kaley Stanczyk  
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Results Reviewed by: Robert B. Leggat  
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**R3** – a revision was issued to update the reporting format to provide the results of testing only.