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Testing, Analysis, Failure Investigation, Formulation & Consultancy

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**Re: Cathodic Disbondment Testing of Elastuff 160 CD. Laboratory File #8410**

Three coated steel panels were received by the laboratory for testing. The panels were identified as follows:

Elastuff 160 CD 10/29/03  
Elastuff 160 CD 10/29/03  
Elastuff 160 CD 10/29/03


The panels were tested in accordance with section 5.12 of DIN 30 671, with the exception that flat panels were utilized instead of curved pipe sections. An intentional holiday (artificial flaw) 6mm in diameter was drilled through the coating at the center of each panel. Testing was performed for 30 days at 23±2°C and -1500 mV of applied potential, measured against a standard calomel electrode. A conductive solution of 0.5 mL/L of sodium chloride was utilized.

Following testing, each panel was evaluated for disbondment by scribing 30° V-shaped notches from the holiday outward, creating 8 segments, then lifting the coating to determine the depth of disbondment. An average result for each panel is reported below as disbondment distance form the edge of the holiday.

Elastuff 160 CD 10/29/03    6.9 mm  
Elastuff 160 CD 10/29/03    5.6 mm  
Elastuff 160 CD 10/29/03    6.8 mm

Elastuff 160 CD overall average:    6.4 mm

Sincerely,

  
Thomas R. Schwerdt  
Managing Chemist  
The Coatings Laboratory at ITI Anti-Corrosion, Inc.

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