

PCI™
TECHNICAL DATA SHEET
PC3 ACRYLIC POLYURETHANE TOPCOAT / DTM 1400 SERIES NON-SANDING PRIMER
PERFORMANCE DATA

TEST METHOD	SYSTEM (7 day, ambient temp. cure)	RESULTS
ASTM D-3359 Adhesion	Cold Rolled Steel SSPC-SP2 or SSPC-SP3 3-4 mils DFT DTM 1400 Primer 1.5-3 mils DFT PC3/PC-03 Topcoat	100% retention (no tape off)
ASTM D-4587 QUV Resistance Accelerated Weathering	Cold Rolled Steel SSPC-SP2 or SSPC-SP3 3-4 mils DFT DTM 1400 Primer 1.5-3 mils DFT PC3/PC-03 Topcoat	Gloss - 98% retention after 2012 hours delta E color change - 0.33 after 2012 hours No blistering, rusting, checking or cracking
ASTM B-117 Salt Fog	Cold Rolled Steel SSPC-SP2 or SSPC-SP3 3-4 mils DFT DTM 1400 Primer 1.5-3 mils DFT PC3/PC-03 Topcoat	No face corrosion nor blistering after 1000 hours
ASTM B-117 Salt Fog	Cold Rolled Steel SSPC-SP2 or SSPC-SP3 5-6 mils DFT Amerlock 2* 1.5-3 mils DFT PC3/PC-03 Topcoat	No face corrosion nor blistering after 3500 hours
ASTM B-117 Salt Fog	Cold Rolled Steel SSPC-SP6 4 mils DFT Amercoat 68HS* 1.5-3 mils DFT PC3/PC-03 Topcoat	No face corrosion nor blistering after 2000 hours
ASTM D-2287 Humidity Resistance	Cold Rolled Steel SSPC-SP2 or SSPC-SP3 3-4 mils DFT DTM 1400 Primer 1.5-3 mils DFT PC3/PC-03 Topcoat	No blistering, cracking, softening or delamination after 1000 hours
ASTM D-1308 Chemical Resistance 24 hour spot test	Cold Rolled Steel SSPC-SP2 or SSPC-SP3 3-4 mils DFT DTM 1400 Primer 1.5-3 mils DFT PC3/PC-03 Topcoat	87 octane unleaded gasoline - rating 5 no effect 10% Sulfuric Acid - rating 5 no effect
ASTM D-5402 Chemical Resistance solvent rubs	Cold Rolled Steel SSPC-SP2 or SSPC-SP3 3-4 mils DFT DTM 1400 Primer 1.5-3 mils DFT PC3/PC-03 Topcoat	Xylene - 200 double rubs no effect Methyl ethyl ketone (MEK)-200 double rubs no effect 87 octane unleaded gasoline - 200 double rubs no effect.
ASTM D-522 Flexibility	Cold Rolled Steel SSPC-SP2 or SSPC-SP3 3-4 mils DFT DTM 1400 Primer 1.5-3 mils DFT PC3/PC-03 Topcoat	180 degree bend, 1/4" mandrel - pass

*Amerlock 2 and Amercoat 68HS are products from Ameron USA, 13010 Morris Road, Suite 400, Alpharetta, GA 30004

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