

## Evaluation Table

<b>PEP ID:</b>	<b>XXXXX</b>
<b>Manufacturer:</b>	<b>Name of Manufacturer</b>
<b>Product Name:</b>	<b>Name of Product</b>

1003 Rust Passivators

1003 Epoxy Powder Coatings

ADOT Stored Specification: 1003REBAR, Section 1003-5.02

Additional Specification: ASTM A775

Responsible Section: Materials Group

<b>Product Property</b>	<b>Specification/ Test Method</b>	<b>Requirement</b>	<b>Results</b>	<b>Pass/ Fail</b>
Composition	ASTM A775	The powder coating shall be of organic composition except for the pigment which may be inorganic if used.		
Chemical Resistance	ASTM A775	The coating must not blister, soften, lose bond, nor develop holidays.		
Chemical Resistance	ASTM A775	The coating surrounding the intentionally made holes shall exhibit no undercutting during the 45-day period.		
Average Cathodic Disbondment Radius, max	ASTM A775	0.16 in (4mm)		
Salt Spray Resistance, Average Cathodic Disbondment Radius, max	ASTM A775	0.12 in (3mm)		
Chloride Permeability, Accumulative Concentration of Chloride Ions	ASTM A775	$< 1 \times 10^{-4} M$		
Coating Flexibility	ASTM A775	No cracking of the coating shall be visible.		
Relative Bond Strength in Concrete	ASTM A775	The mean bond strength of the coated bars shall not be less than 85% of the mean bond strength of the uncoated bars.		

Abrasion Resistance, max	ASTM A775	0.0035 oz (100 mg) weight loss		
Impact Test	ASTM A775	No shattering, cracking, or bond loss of the coating shall occur except at the impact area, that is, the area permanently deformed by the tup.		