

EPAND-596

Technical data sheet



MAVAD ALI ALBORZ
مهندسی مواد آلی البرز

Product Description

This product is a two-component epoxy primer that is used to connect composite plastics to concrete and metal structures. Very high adhesion and excellent resistance in chemical environments are the properties of this product. This product can be applied as a spray or roller roll.

Advantage

-) Application in areas with high temperatures High wear and impact applications
Application in the concrete liner
-) Application in stainless steels, galvanized, aluminum
-) Application in composites variety of substrates High bond strength to wet concrete
Excellent chemical resistance
-) Excellent adhesion to a
-) Long time to re-cover Low water permeability Good flexibility

Typical Properties	part A	part B	mixed system
Appearance	clear and black tin	green	clear
Density (g/cm3)	1.13	1.09	1.1
Viscosity at 25 C Pot life at 25°C, 100 g, min	liquid	liquid	liquid 20 min

Processing

-) Mix ratio Product
-) by weight
-) Part A resin 100
-) Part B hardener 20

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Drying and curing time

Substrate temperature	5	10	23	40
Surface touch dry	18 h	8 h	2.5 h	1 h
Walk-on-dry	48 h	36 h	24 h	12 h

Typical Physical Properties

Prope	value	test method
Pull of adhesion		
3-5 mils steel/ dp grout	950 psi(6.5 mpa)	ASTM D4541
5-8 mils steel/ dp grout	1250 psi(8.6 mpa)	
3-5 mils steel/ hp grout	1150 psi(7.9 mpa)	
5-8 mils steel/ hp grout	1300 psi(9 mpa)	
3-5 mils steel/ sp grout	1350 psi(9.3 mpa)	
5-8 mils steel/ sp grout	1450 psi(10 mpa)	
concrete 3-5 mils	550 psi(3.8 mpa)	
concrete 3-5 mils	650 psi(4.5 mpa)	
Hardness 3-5 mils	75	ASTM D2240
Hardness 5-8 mils	86	ASTM D2240
Roller peel test	3.1	iso-4578