

3M Scotchkote™ 162PWX Epoxy Coating

Category : Polymer , Thermoset , Epoxy

Material Notes:

3M Scotchkote Epoxy Coating 162PWX is a 100% solid two-part epoxy coating that has been specifically developed for the long term protection of drinking water pipelines, storage and process tanks or vessels and related steelwork immersed or in contact with potable water. Scotchkote epoxy coating 162PWX is designed for high build single coat applications by either plural feed hot airless spray equipment, brush or roller. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotchkote-162PWX-Epoxy-Coating.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	
Solids Content	100 %	100 %	
Volatile Organic Compounds (VOC) Content	0.00 g/l	0.00 g/l	
Water Absorption	1.05 %	1.05 %	21 days; ASTM D570
Thickness	508 microns	20.0 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	ASTM D2240
Tensile Strength at Break	23.5 MPa	3410 psi	ASTM D638
Elongation at Break	1.4 - 2.0 %	1.4 - 2.0 %	ASTM D638
Flexural Strength	57.00 MPa	8267 psi	ASTM D790
Impact Test	4.50 J	3.32 ft-lb	ASTM G14 (modified)
Abrasion	113	113	[mg] CS-17, 1000 cycles; ASTM D4060

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	50.0 °C	122 °F	
	71.0 °C	160 °F	onset

Processing Properties	Metric	English	Comments
Cure Time	240 min	4.00 hour	Touch Dry
	360 min	6.00 hour	Hard Dry, 1 hr when surface temp at

Processing Properties	Metric	English	50°C Comments
	10100 min	168 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Gray or Blue	
Pencil Hardness	5H	ASTM D3363

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