

Protective Coating PC-Rot Terminator® Epoxy Wood Consolidant

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

Description: PC-Rot Terminator® is designed to strengthen decayed or rotted wood. The mixture is a low viscosity liquid that penetrates porous surfaces filling and sealing voids with an epoxy that cures to a hard but durable component. Rot Terminator® combines an extended open time and low viscosity without solvents. The Rot Terminator® is useful for replacement of missing wood fibers or wood resin. It fills the void in the wood with an elastomer that has strength greater than wood. Typical wood resin has low tensile and compressive properties when compared to cured epoxy polymer in wood. The epoxy act as a binder that glues the wood fibers together. The wood fibers become much stronger in combination with the epoxy elastomer. It is mixed one part hardener to two parts resin.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Protective-Coating-PC-Rot-Terminator-Epoxy-Wood-Consolidant.php

Physical Properties	Metric	English	Comments
Viscosity	300 cP	300 cP	Hardener
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	500 cP	500 cP	Mixed
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	600 cP	600 cP	Resin
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	78	78	
Tensile Strength, Ultimate	31.0 MPa	4500 psi	
Elongation at Break	12 %	12 %	
Tensile Modulus	1.45 GPa	210 ksi	
Flexural Strength	65.5 MPa	9500 psi	
Flexural Modulus	2.07 GPa	300 ksi	
Compressive Yield Strength	44.8 MPa	6500 psi	
Compressive Modulus	1.59 GPa	230 ksi	

Thermal Properties	Metric	English	Comments
Flash Point	103 °C	217 °F	Hardener, closed cup
	177 °C	351 °F	Resin, closed cup

Optical Properties	Metric	English	Comments
Gardner Color Number	3.0	3.0	Resin
	5.0	5.0	Mix
	8.0	8.0	Hardener

Processing Properties	Metric	English	Comments
Cure Time	1440 min	24.0 hour	
	60.0 min	1.00 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	720 min	12.0 hour	Thin Film Set
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	10100 min	168 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	Maximum Cure

Descriptive Properties	Value	Comments
Mar Resistance	1.05 kg	

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