POLYPRIME 130

Technical Data Sheet

DESCRIPTION

Polyprimer 130 is an aromatic polyester polyol based on polymeric MDI which imparts high tensile strength and good adhesion to a variety of substrates such as concrete, wood and vinyl. As a concrete primer Polyprime 130 prevents blistering and establishes a moisture barrier by forming covalent bonds with other coating materials such as Epoxy, Urethane and Polyurea.

PERFORMANCE ADVANTAGES

- Penetrates and seals the surface
- Zero VOC
- Good Low Temperature Cure
- Good Adhesion to Variety of Substrates
- Can be Applied to Damp Surfaces
- Long Working Time

TYPICAL PERFORMANCE PROPERTIES

Dry Film Times (8mil Thickness, 25°C 65% RH)	
Tack Free (hrs)	4
Dry Through (hrs)	8
Cure Schedule (8mil Thickness, 25°C)	
Light Foot Traffic (hrs)	~8
Light Traffic (hrs)	~24
Full Cure (days)	~5-10
Theoretical Coverage Rate	
4 mil (sq.ft. per gallon)	400
8 mil (sq.ft. per gallon)	200
Pot Life (min, 25°C 65% RH)	30
Recoat Time (8mil Thickness, 25°C 65% RH)	
Minimum (hrs)	2
Maximum (hrs)	24
Following 7 day cure at 25°C, 55% RH	
Bond Strength[psi][1]	
Dry Concrete	>500
Wet Surface	>500
Polyurea Top Coat Adhesion	>500
Tensile Elongation at Break [%][2]	5
Tensile Strength [psi][2]	8360
WVTR[3]	0.479
Shore D	62

1. ASTM D4541
2. ASTM D412-68
3. ASTM D624

SURFACE PREPARATION

Surface must be properly prepared prior to application. **If surface had been previously coated consult manufacturer for recommendations.** This could entail scrubbing, high pressure detergent washing, steam cleaning or solvent wiping of the surface to remove dirt, oil, grease, pollutants and other contaminants. Allow the surface to dry. Once dry, remove loose or excess mortar or other material that may work to impair adhesion.

MIXING

To prepare the system for application, mix complete units of materials together for approximately 2 minutes. At this point, a cloudy liquid will result which will eventually become clear and amber. Shortly thereafter, a slight exothermic will become noticeable and the mixture will increase in viscosity.

APPLICATION

Material can be applied by brush, roller or low pressure spray equipment.. Ensure product is applied in an even and uniform manner, making sure recesses and edges are thoroughly coated.

HANDLING AND STORAGE

The reaction of isocyanates with water leads to the formation of insoluble ureas and carbon dioxide gas which can result in pressure buildup inside closed containers. Therefore store container in dry area.

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