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SET-POLYCOAT

High performance Epoxy Coating: Set-Polycoat is a unique, 100% solids Novolac Resin Epoxy which cures to a high gloss stain resistant, high washable surface. This product is completely odorless, non-toxic and authorized for use in food handling areas. The two-component mixture is thermo setting and offers exceptional resistance to wear and abrasion, withstanding daily washing with steam or water and strong detergents. Because of ease of cleaning and abrasion resistance this coating is practically graffiti proof. It is ideal for industrial and institutional flooring.

Recommended Uses:

Commercial, Adhesive and Bonding applications, Institutional and Industrial floorings, Warehouses, Art galleries, Hospitals, Laboratories, Locker rooms, Garages, Ramps, Office rooms, Food and Pharmaceuticals production areas, Schools, Fire houses, Post offices, Photo-studios, Automotive centers, Battery rooms, Unit Control rooms, Generator rooms etc. etc.

Advantages:

Solvent free · Water clear · Available in colors · Excellent chemical resistance · Excellent adhesion to concrete, steel and wood · High Gloss · Low temperature CURING · Blush free.

PROPERTIES:

Pot life @ 75° F	AASHTO-T237	35 minutes
Curing Temperature Limits		40° F and up
Initial Set Time @75° F		6-8 hours
Mix Ratio by Volume		2:1
Application		Trowel, roll, etc.
Viscosity @ 75° F CPS	ASTMD-2392	500-700
Tensile Strength PSI	ASTMD-638	7000
Tensile Elongation %	ASTM D-638	3 %
Compressive strength PSI	ASTM D-695	12000
Impact Resistance, direct in LBS	ASTMD-256	8-12
Gloss, 60°	96-100	
Hardness shore D	ASTMD-2240	85
Fungus & Bacteria Resistance	MIL-F-52505	Does not support growth of fungus or bacteria when subjected to Mildew and bacteria test specified in T-T-P-34
Resistance to Elevated temperature	MIL-D-31 34°F	No slip or flow at required temperature of 158° F SEC 4.7.5.

Taber Abrasion Resistance CS-1 7 Wheels with 1000gm load of each arm for 10,000 cycles		0.02 gms Loss for 1000 Cycles
Flammability with backing of Concrete	ASTMD-635	Self Extinguishing by this test
Initial Set Time for Light traffic hours @ 75° F		5-9 hours
Curing temperature limits		Over 40° F.
Ultimate cure @ 75° F (days) @ 40° F (days)		3 7
Mixing Ratio by Volume		2 Part Base (A) 1 Part Catalyst(B)
Application:		Trowel, Roll, Brush Coverage 75-125 sq ft. / gallon The coverage may vary with the condition of the substrate.

CHEMICAL RESISTANCE:

Sulphuric Acid up to 70% -- Excellent
 Hydrochloric Acid up to 36% -- Excellent
 Acetic Acid, 5% --Excellent
 Caustic soda, 10% --Excellent
 Caustic soda. 50% --Excellent
 Ammonia, 10% --Excellent
 Ammonia, 25% --Excellent
 Ethanol, 50% --Excellent
 Ethanol, 200% --Excellent
 Butanol --Excellent
 Octanol --Excellent
 Xylene --Excellent
 Toluene --Good
 Benzene --N.R.
 Crude oil -- Excellent
 Tetraethyl Lead Fuel -- Excellent
 Gasoline, high test -- Excellent
 MBK --Good-Fair
 Pine oil -- Excellent
 Distilled water -- Excellent
 Water --Excellent
 Sea Water -- Excellent
 Urea --Excellent
 Cola syrup -- Excellent
 Acetone --N.R.
 Lactic Acid (20%) --Good
 Detergents (.03%) --Good
 Oils and Grease --Excellent

Warranty

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