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Technical Data Sheet – R-Cord 2A & IPBE 1

R-Cord 2A

Description:-

R-Cord 2A is a special modified, low viscosity, liquid epoxy resin for 3D Flooring, Coating, Lamination, etc. When it is used with appropriate epoxy hardener, it provides excellent combination of properties including mechanical, thermal, chemical and physical.

Applications

Flooring
Coatings
Lamination
Casting

IPBE-1

Description:-

IPBE-1 is low color, low viscosity modified Cycloaliphatic amine hardener suitable to cure epoxy resin at ambient temperature. The cured mass gives high gloss with excellent surface finish suitable for coatings and flooring applications. The film withstand variety of chemicals includes acid, alkali, alcohols and hydrocarbon solvents.

Advantages
Low viscosity
Fast setting
Excellent chemical resistance
High gloss

Applications

Flooring
Coatings
Lamination
Casting

Technical Data

Property	Unit	Test Method	Resin(A)	Hardener(B)
Appearance		Visual	Clear Liquid Modified Bisphenol A	Clear Liquid Modified Cycloaliphatic
Viscosity	mPas (25°C)	ASTM D	500-600	350-450
Density	g/cm ³ (25°C)	ASTM D	1.10	1.04

Typical Properties

Property	Unit	Test Method	Value A/B
Mixing Ratio	By Weight	-	100:50(2:1)
Pot Life	Min(25°C)	-	45-90
Curing Time	°C/hr	-	80/1 or 25/10
Temperature Range of use	°C	-	40°C to 100°C
Hardness	Shore A	ASTM D	60-70
Compressive Strength (7 Days)	MPa(psi)	ASTM D	72.5
Compressive Modulus (7 Days)	MPa(psi)	ASTM D	2000(2.9 X 10 ⁵)
Tensile Properties (7 Days)	MPa	ASTM D	48.3

Flexural Strength (14 Days)	MPa	ASTM D	75.9
Shear Strength (14 Days)	MPa	ASTM D	33.1
Water Absorption (7 Days)	24 Hrs Immersion	ASTM D	0.27%

Theoretical Coverage :-

10-12 sq.ft/Kg @ 1mm DFT.

Packing Size:-

(Resin : Hardener)

(40 Kg : 20 Kg)

(240 Kg : 200 Kg)