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Technical Data Sheet – R-Cord CSE-18 & 278 C

R-Cord CSE-18

Description:-

R-Cord CSE-18 is a special modified, low viscosity, liquid epoxy resin for Marble, Stone coating grade etc. When it is used with appropriate epoxy hardener, it provides excellent combination of properties including mechanical, thermal, chemical and physical.

Applications

Marble Coating
Granite Coating
Stone Coating

278 C

Description:-

278 C is low color, low viscosity modified Cycloaliphatic hardener suitable to cure epoxy resin at ambient temperature. The cured mass gives high gloss with excellent surface finish suitable for coating 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

Marble Coating
Granite Coating
Stone Coating

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 | 1200-1400 | 900-1100 |
| Density | g/cm ³ (25°C) | ASTM D | 1.10 | .90 |

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 | - | 32°/3 or 40°/1.5 |
| Temperature Range of use | °C | - | 40°C to 100 °C |
| 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 :-

80-90 sq.ft/Kg @ 1mm DFT.

Packing Size:-

(Resin : Hardener)

(40 Kg : 20 Kg)

(240 Kg : 200 Kg)