



# ORAM PRODUCTS PVT. LTD.

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## Technical Data Sheet – R-Cord CSE-14 & 275 C

### R-Cord CSE-14

#### **Description:-**

R-Cord CSE-14 is a special modified, low viscosity, liquid epoxy resin for bonding . When it is used with appropriate epoxy hardener, it provides excellent combination of properties including mechanical, thermal, chemical and physical.

#### **Applications**

Concrete Surface Bonding

Stone Bonding

Metal to Concrete Surface

### 275 C

#### **Description:-**

275 C is yellow brown color, medium viscosity modified 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**

- Medium viscosity
- Fast setting
- Excellent chemical resistance
- Versatile material allows application as adhesive and anchoring gel.
- Suitable for chemical anchors, threaded bars and reinforcing steel.

## Surface Preparation

Surfaces must be clean and sound. Surfaces/holes may be dry, damp or wet. Remove dust, laitance, grease, oil, curing compounds, impregnations, waxes, foreign particles and disintegrated materials. Substrate strengths must be verified, with pull-out tests being conducted if strength is unknown.

## Technical Data

Property	Unit	Test Method	Resin(A)	Hardener(B)
Appearance		Visual	Clear Liquid	Yellow Brown Liquid
Viscosity	mPas (25°C)	ASTM D	500-700	2000-3000
Density	g/cm <sup>3</sup> (25°C)	ASTM D	1.10	.97

## Typical Properties

Property	Unit	Test Method	Value A/B
Mixing Ratio	By Weight(Kgs)	-	100:50(2:1)
Gel Time	100 g @25°C	-	50 mins
Compressive Strength	MPa	ASTM 0695	24 Hours 40
			7 Days 52
Compressive E Modulus	GPa	ASTM 0695	5
Tensile Strength	MPa	ASTM 0638	23.5
Tensile Strength (Elongation at Break)	Percentage	ASTM D	7 Days 5.9
Tensile Modulus	GPa	ASTM 0638	7 Days 5.5
Flexural Strength	MPa	ASTM 0790	24 Hours 45

## **Limitations**

- Minimum age of concrete must be 28 days, depending on curing conditions.
- Do not thin, solvents will prevent proper cure.
- Standard and quality of dispenser will impact upon ease of extrusion, especially when using manual equipment, ensure the mechanical advantage is appropriate, pistons are correctly aligned and even pressure is achievable.
- R-Cord® CSE 14/275 C must only be applied on or into substrates when they are frost-free.

## **Health and Safety Information**

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN  
FOR INDUSTRIAL USE ONLY

## **Packing Size:-**

(Resin : Hardener)

(40 Kg : 20 Kg)

(240 Kg : 200 Kg)