

## HYPERINJECT™-21C

## Product Data Sheet

### Two Component Self Levelling Epoxy Resin

Specification According to: ASTM C881-99, Type I, Grade 2, Class B+C

#### Description

**HYPERINJECT™-21C** is a two component, low viscosity epoxy resin with outstanding bonding capabilities. The product is 100% solids therefore after hardening no shrinkage occurs, this coupled with the material's extremely high penetration ability render **HYPERINJECT™-21C** highly successful in construction applications.

#### Recommended For

1. Bonding of:
  - Cement mortars
  - Metal structures
  - Old and new concrete
2. Filling, Sealing of cavities and cracks in:
  - Pillars
  - Foundations
  - Beams
  - Walls
3. Flooring Applications
4. Primer

#### Features & Benefits

- Excellent Adhesion on almost all substrates.
- 100% Solids
- Good Heat Resistance -40°C - 90°C.
- No shrinkage upon drying.

#### Application Procedure

Mix the two components of **HYPERINJECT™-21C** until the mixture becomes homogenous and subsequently apply accordingly:

- ✓ **INJECTION RESIN:** For this application the crack must have maximum depth of 5 mm, and the substrate temperature should be between +5°C~+30°C. Application on slightly damp substrates is also possible.
- ✓ **BONDING RESIN:** For this application, the surface must be clean free from standing waters and debris. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, curing membranes must be removed.  
Mix the two components of **HYPERINJECT™-21C** until the mixture becomes homogenous and apply with brush or roller. In the case of bonding new and old concrete the application is carried out when the resin is in a pre-gelled state. Consumption: 0.3-0.7kg/m<sup>2</sup>.

#### Packaging

1kg, 5 kg

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### Technical Specifications

#### LIQUID PRODUCT :

Property	Units	Method	Specification
-Pot Life (25°C) & 55% RH	Minutes	Internal Method	20
-Viscosity (initial mixing) (BROOKFIELD)	cP	ASTM D2196-86, @ 25°C	700 - 900
-Density	gr/cm <sup>3</sup>	ASTM D1475 / DIN 53217 / ISO 2811, @ 20°C	±1

#### DRY PRODUCT:

Property	Units	Method	Specification
-Service Temperature	°C	-	-25 to 80
-Adhesion Concrete	N/mm <sup>2</sup>	ASTM D4541	>3
-Compression Strength	N/mm <sup>2</sup>		>40
-Tensile Strength, 23 °C	N/mm <sup>2</sup>	ASTM D412 / EN - ISO - 527 - 3	>30
-Shrinkage	-	-	0
-Freeze/Thaw resistance	-	-	Excellent
-Resistance to solvents, lubricants etc.	-	-	Excellent

For more information on Hyperdesmo & Hyperseal range of products and application methods

Please contact Alchimica Technical Service at [info@alchimica.co.in](mailto:info@alchimica.co.in)

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