

# Sino-Sina Building Materials Co., Ltd

## HP-1 Epoxy Resin Grouting Material Technical Data Sheet

### Product Description

HP-1 is a low-viscosity epoxy resin grouting material designed for fine crack repair and foundation treatment in concrete structures.

### Applications

- Water engineering structure foundation treatment (crack width <0.2mm).
- Concrete crack repair (crack width >0.2mm).

### Features and Benefits

- Ultra-low viscosity for deep penetration into narrow cracks.
- High compressive and tensile strengths for durable repairs.
- Excellent bonding in both dry and wet conditions.
- Superior impermeability and permeability pressure ratio.

### Technical Data

Item	Value
Initial Viscosity (mPa·s)	<30 (<0.2mm cracks), <200 (>0.2mm cracks)
Compressive Strength (MPa)	50
Tensile Strength (MPa)	12
Tensile Shear Strength (MPa)	7.0
Bending Strength (MPa)	30
Bonding Strength Dry (MPa)	3.5
Bonding Strength Wet (MPa)	3.0
Impermeability Pressure (MPa)	1.5
Steel-Steel Bonding Tensile Strength (MPa)	20

### Packaging and Storage

Contact for details.

## Application Instructions

Clean surface, mix components, inject under pressure, allow curing.

## Safety Precautions

Wear protective gear; ensure ventilation.

## Contact Information

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