

**EPOXY
BONDING AGENT**



SILBOND-DS[®]

Concrete Bonding Injection Resin
To Damp Substrate

JV POLYMERS
innovative coating

DESCRIPTION

SILBOND-DS® Concrete bonding injection resin is solvent free system with low viscosity and good water tolerance.

ADVANTAGES

- Solvent free system
- Low viscosity
- Good adhesion to damp substrate

RECOMMENDED FOR

SILBOND-DS® The intrinsic performance of concrete bonding injection resin is the adhesion to damp substrate. It can be use in structurally bonding old concrete to concrete, fresh concrete to old concrete, pressure grouting hairline cracks in concrete structure. It can also be used in backfill gaps in steel plate grouting and filling porous and honey-comb concrete. When mixed with fine sand, it can be used as patching mortar.

APPLICATION

Ensure the concrete structure to be treated is structurally sound and crack areas are free from laitance, dust, oil, grease, loose particles and other contaminations that will affect the final performance. Concrete bonding injection resin can be applied using by pressure pumps for grouting hairline cracks in concrete structure. It can be used for bonding old concrete to old concrete and fresh concrete to old concrete. It can be mixed with fine aggregates as patching mortar. Pour the hardener into the base and mix thoroughly and use before the material start to gel. Gel time is very dependent on ambient temperature. The higher the ambient temperature the shorter the gel time of the mix.

CLEANING

Clean immediately after use with thinner. Hardened material can be removed mechanically.

ESTIMATION

The amount of material required is dependent on the width and depth of the crack areas inclusive of substrates porosity and surface area. A general guide is approximately 1kg per 2.5-3.5m length.

PACKAGING

Available in 15L pack. Bulk pack size is available upon request.

PRECAUTIONS

Wear protective clothing, gloves and goggles. Epoxy Base is considered an irritant and the hardener is corrosive. Handle with care and in the event of eyes and skin contact, wash with plenty of water and seek medication attention if irritation persists. Refer to MSDS. Good ventilation is required when handling the material.

TYPICAL PROPERTIES

Properties	Base	Hardener
Colour	Off white	Amber
Mix ratio v/v	100	50
Mix viscosity	800+/-150cps	
Mix performance of base and hardener @ 7days		
Pot-life ASTM C881M	20-30mins @25°C	
Tensile strength ASTM C307	40N/mm ²	
Compressive strength ASTM C579	70N/mm ²	
Glass transition temperature ASTM E1356	50°C	

Customer Service

JV POLYMERS CO LTD.

Unit606, 6/F, 1193 Jungang-ro, Ilsandong-gu, Goyang-si, Gyeonggi-do, South Korea.

TEL/FAX)82-70-8688-3957 EMAIL)info@jvpolymers.com

Technical Service

JV POLYMERS ASIA-PACIFIC LTD.

DD119, Kiu Hing Road, Yuen Long, N.T., Hong Kong.

TEL/FAX)82-70-8688-3957 EMAIL)info@jvpolymers.com

