

## TECHNICAL DATA: BI SOL

### B1 SOL Single Component Penetrating Sealer

#### Mix Ratio

No mixing required ready to use

#### Application Conditions and Temperature:

Minimum 10 °C air and substrate temperature. Humidity must not exceed 75%

#### Cure Schedule:

Temperature	10 °C	20 °C	30 °C
Light Foot Traffic	2-3 hrs	1-2 hrs	45-60 minutes
Tack free	60 minutes @ 20 °C		
Mechanical Load	2 – 3 days @ 20 °C		
Full Chemical Résistance	7 days @ 20 °C		
Pot Life	No pot life		

#### Re Coat window:

Single coat application but should a second coat be necessary once the first coat is completely dry

**1 kg Yield as a resin coating at 0.08 – 0.15 kg/m<sup>2</sup>** is 12.5 m<sup>2</sup> to 6.5 m<sup>2</sup>

**Package Size:** Available in 10kg units

**Shelf Life:** 12 months in unopened containers. **Protect from frost**

**Storage:** Store product at normal room temperature, before using. Storage should be between 10 °C and 20 °C. **Do Not Store above 35 °C.** Any part used kits should be completely re sealed with tape and used as soon as possible.

The information contained in this technical data sheet is based on our previous experience and knowledge. It is not possible to consider every single case. Please seek technical advice for specific projects. We guarantee our product is manufactured to the specifications as stated herein. Beyond that no warranty is made, expressed or implied. We do not assume responsibility for work not carried out by us. We recommend that on-site-trials be conducted. Our "General Terms and Conditions" apply. This data sheet supersedes all previous data sheets.



## Product Description:

- BI SOL is a one component ready to use, impregnation sealer for concrete surfaces.
- BI SOL can be used on high quality, industrial concrete slabs for an un-pigmented finish. Impregnation with BI SOL will only change the colour slightly and maintain the character of the host product.
- BI SOL increases the surface hardness and chemical resistance of the slab. Impregnated surfaces are water repellent and tend to less soiling and staining.
- The product is solvent free with little smell.

## Product features

- Solvent free
- Very little surface colour change
- Safe and reliable
- Long working life
- Hydrophobic
- Increased Water and Chemical Resistant
- Increased surface hardness

## Areas of Use:

- Areas of medium and high mechanical load eg warehouses and production areas
- Areas with increased exposure to water and chemicals
- As an un-pigmented wear or seal coat

## Surface Preparation:

Ensure that the surface to be impregnated is free from all dirt, oil, dust, foreign contaminants, laitance and any previous poorly adhered coatings to the substrate. The substrate to be coated has to be levelled, dry, free of dust and must have adequate tensile and compressive strength.

Prior to sealing the substrate is should be lightly sprayed with water. To impregnate area already in use they must be cleaned and stripped if necessary. Conduct a trial and evaluate the results.

**Please note areas already coated with synthetic resin cannot be coated with this product.**

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## Application

- BI SOL is a single component and ready to use – no mixing required.
- BI SOL should be applied in a single coat by generously saturating the area with a lint free roller or rubber squeegee. BI SOL may also be applied with a paint brush or sponge.
- The surface must be saturated with impregnation fluid to the point where no more fluid is being accepted into the pores.
- The product should be applied in one direction and evenly distributed at 90° to ensure even layers.
- Excess material and ponding must be avoided.
- Always use new and clean rollers and ensure maximum ventilation for the water content in BI SOL to dry off.
- Always maintain a wet edge.
- Maintain temperatures and humidity within the recommended ranges during the application and during the curing process. **Before application the product must be at the same temperature as the room in which it will be applied. The floor temperature must not be any more than 3 °C lower than the room temperature unless this will be at dew point.** If a dew point situation occurs the product may spot and lead to possible failure or compromised product characteristics.
- Exposure to water should be avoided within the first 24 hours.

## PRODUCT PERFORMANCE DATA

Density	1.05 kg per/ litre
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