

TECHNICAL DATA SHEET

BLOCKOUT CLEVER SIL

Water-Based Polyurethane Membrane

PRODUCT DESCRIPTION:

BLOCKOUT CLEVER SIL is a one-component, viscous, aliphatic polyurethane-acrylic dispersion, which cures with the humidity in the atmosphere to produce a highly elastic membrane with strong adhesion to many types of surfaces, which results in excellent mechanical, chemical, thermal, UV, and natural element resistance properties. It can be applied without topcoat and can receive medium to heavy foot traffic. A minimum of two coats are required.

CUSTOMER BENEFITS:

- Thick pasty liquid, single pack, easy to use
- Excellent curing
- UV resistant, superb elongation, excellent in tensile
- Anti-fracture, no blistering
- No reinforcement required
- No tar, no bitumen, non-toxic

RECOMMENDED FOR:

- Ideal for waterproofing of concrete roofs
- For internal and external use
- For concrete canopy

INSTRUCTIONS FOR USE

SUBSTRATES

All surfaces must be dry and free from oil, dust, grease, and other contaminants. The substrate must be clean and sound prior to waterproofing.

SURFACE PREPARATION

CONCRETE

All new concrete slabs must be allowed to cure for at least 6 weeks.

Old concrete must be cleaned with a strong commercial-grade detergent or degreaser, then thoroughly wash off all residue with clean water. Allow the surface to dry for at least 24 hours.

RENDER

New rendered surfaces must be allowed to cure for at least 7 days.

METAL SURFACES

All metal surfaces must be totally free of rust. Prime metal surfaces with **EPOCOAT MB WHITE**.

Note: *Hairline cracks up to 1mm wide, which experience no movement, may be duly filled up with **BLOCKOUT CLEVER SIL** before applying another layer over the area to be waterproofed.*

APPLICATION

Spread the **BLOCKOUT CLEVER SIL** onto the substrate using a lambswool roller or brush. Apply in a thin continuous layer over the area to be waterproofed. For drain application, treat the inside and around the drain with a separate layer of **BLOCKOUT CLEVER SIL** before applying the whole surface. Allow 1 to 2 hours in between each coat depending on thickness and atmospheric condition. Tools and excess **BLOCKOUT CLEVER SIL** can be cleaned up with water while still wet. Application temperature is from 5°C to 45°C.

Note: *Do not allow the product to freeze. Delay external applications when inclement weather is imminent. Do not thin liquid it is supplied ready for use. Do not mix with sand and admixtures.*

CAUTION

Do not use where negative hydrostatic pressure is evident (i.e., rising damp) as it affects the bond of **BLOCKOUT CLEVER SIL**. Surfaces must not allow water to stagnate or form a pond.

TECHNICAL DATA

Color	white, gray
Consistency	Thick pasty liquid
Solids content	60-70%
Specific gravity	1.3 – 1.4 g/mL
Cure time	4-8 hours
Touch dry	1hr and 30mins
Percent elongation	>500%

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CONSUMPTION

Recommended consumption:

1.0 - 1.3 kg/m² at 180 microns thick in 2 coats.

5 kg gallon : approx. 3 m² at 180 microns

20 kg pail : approx. 15 m² at 180 microns

Note: *The coverage rates provided above are for guidance purposes only. Actual usage may vary depending on the specific substrate conditions and application methods.*

PACKAGING

BLOCKOUT CLEVER SIL is available in 5 kg and 20 kg pails.

STORAGE AND HANDLING

BLOCKOUT CLEVER SIL has a shelf life of 18 months in unopened containers, stored in a cool dry elevated place.

PRECAUTION

HEALTH AND SAFETY

In case of eye splashes or excessive skin contact, thoroughly flush with clean water. If ill effects occur, seek medical attention immediately.

BLOCKOUT CLEVER SIL is water-based and non-flammable.

Refer to the latest Safety Data Sheet (SDS) for comprehensive safety information on the proper handling of this product.

WARRANTY AND DISCLAIMERS

The information provided in this technical data sheet is based on our best knowledge and testing methods. Any product use outside of specifications or improper storage or installation voids any warranty. Users are encouraged to conduct their own testing to assess product suitability. Always consult the product's safety data sheet (SDS) for safety guidelines and follow recommended precautions. We reserve the right to update this data sheet without notice, and users should ensure they have the latest information.