

Product Data Sheet
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Identification No. WP - 2



BITUSEAL E

Cold Applied Flexible Bituminous Protective Coating

Description

A medium viscosity flexible bitumen base protective coating. It is a blend of selected, bitumen in a special polymer which dries to form a flexible bitumen film. It complies ASTM C309-93 for concrete curing.

Where to use

- **BITUSEAL - E** provides a continuous barrier against water ingress thus it is considered as a water & vapor barrier damp proof courses for :
 - Below ground concrete protection.
 - Concrete slabs of bathrooms, roofs and balconies.
 - Concrete curing by water retention.
 - Steel & concrete pipes.
 - Corrosion protection to metal surfaces.
 - As an adhesive for poly foams.

Advantages

- Easy to use as it is single component.
- Very economic.
- Resistant to most naturally occurring chemicals.
- Can be applied to damp concrete substrates.
- Quick drying & impermeable to water.
- Excellent adhesion to most common building substrates.
- High coverage rate.
- Good mechanical properties.
- Does not crack at low temperature.
- Non- toxic.

Properties

Drying time at 23 ⁰ C	2 hrs.
Over coating time	3 - 4 hrs.
Flexibility	Good
Chloride protection	v. good
Water protection	Excellent
Heat resistance	25 ⁰ C - 100 ⁰ C
Bitumen content	30 % ± 2
Rubber content	10% ± 2
Specific gravity	1.0 ± 0.07

How to use

Surface preparation:

- All surfaces must be clean, free from grease, oil. Dry concrete should be wetted.
- All surfaces must be firm and thoroughly clean.
- Holes and joints must be filled.

Mixing :

- Add from 5-10% of clean water and stir to homogeneous consistency.

Application:

- If the surface is dusty, apply a prim coat of **BITUSEAL - E** diluted with an equal amount of water and allows drying.
- Apply BITUSEAL-E by brush, room or squeegee.
- Apply **BITUSEAL- E** in 1 or 2 coats depending on degree of protection required.
- Where **BITUSEAL- E** is to be topped with a screed, the second coat should be brushed off when re-coating as dried.

Cleaning:

Clean all tools and equipment with water an soap or special solvent immediately after use.

Theoretical Coverage:

0.8kg/m²/2 coats (D.F.T 400microns)

Packaging:

15 kg pails, 200kg Drums.

Shelf life & Storage:

12months if stored in its original unopened packing.

Health and Safety

This product is of low toxicity but normal precautions should be observed. Wear gloves, and if working overhead or spraying, wear goggles. Wash off any skin splashes with soap and water. Irrigating the eye with an eye bathing solution should treat eye contamination. Ensure adequate ventilation in confined spaces and use breathing aids. If ingested, drink milk or water and seek medical attention.

Additional Information

PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. **PROKEM** designs tailor made products should there be critical application that requires specific properties rather than our main range.

For our customer's satisfaction, **PROKEM** extends technical services to include after sales support to assist users in a proper handling of our products.