

Product Data Sheet
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PROTHAN F

A one-pack moisture cure top coat.



Description

A single pack moisture cure polyurethane undercoat, sealer or highbuild PU finish with excellent gloss & UV resistance. It offers a hard, tough flexible film to be used as concrete floor sealer, a primer for other PU base finishes when resistance to petrol, oil, acids and alkalis or as a top coat when a high glossy, matt or semi-matt finish, resistant to UV, atmospheric exposure is desirable.

Where to use

As under coat for PU finishes in the industrial areas and sewage treatment plants. Also to seal concrete floors subjected to mild chemicals and abrasion. It is used as a top coat when a resistance to UV, atmospheric exposure is desirable:

- Chemical industries.
- Petroleum industries.
- Water treatment plants.
- Sewage treatment plants.
- Industrial flooring.
- Furniture finishes, wood floors.
- Marine sector.

Advantages

- Ease of application.
- Excellent bond to concrete, metals, and wood.
- Good filling properties.
- Very good elasticity and outstanding abrasion resistance.
- Durable water proof finish.
- Fungistatic finish.
- High chemical resistance when exposed to dilute acids and alkalis solutions.
- UV resistant.
- Non-yellowing.

Properties

Specific Gravity	0.95 ± 0.05.
Colour	Transperant, coloured.
Viscosity	80-85 KU.
% volume solids	50 ± 2 %
Curing time at 25° C and R.H.50%:	
Initial Cure	1-2 hours
Time to recoat	6 hours
Final cure	16 - 18 hours.

How to use

Surface preparation :

Surface should be clean, dry and free from dust for full details refer to PROKEM guide for surface preparation and application available on request.

Mixing:

The material should be stirred in its pack immediately before use.

Application :

- Apply a prime coat of (polyurethane) thinned with solvent (20-25%).
- Apply the first coat (polyurethane) thinned with solvent (15-20%).
- Apply the second coat (polyurethane) thinned with solvent (5-10%).

Conditions during applications:

- The material to be applied using brushes, rollers or spray.
- Time between coats should be (3 -6 hours) according to weather conditions.
- Use sand paper before applying each coat.

Cleaning :

Tools and equipment should be cleaned with special solvent immediately after use .

Theoretical Coverage :

4-6 kg/m² according to dry film thickness required and surface porosity..

Packaging :

1,4 kg packs.

Storage :

It has a self life of 6 months if kept in original packing in dry condition.

Health and Safety

- Use gloves to avoid contact with skin.
- If skin comes in contact, wash immediately with soap and water.
- Do not use solvents.
- Eye contamination must be immediately washed with water, then seek medical treatment.
- Working areas should be well ventilated.

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.