

FEB AQUASEAL HYPRUFE D.P.M

Damp Proof Liquid Membrane

Description of Product

FEB AQUASEAL HYPRUFE D.P.M is a rubber/bitumen liquid emulsion with excellent adhesion which dries to a tough black seamless, flexible waterproof and vapour proof membrane.

Typical Uses

- Tanking and Waterproofing structures: to provide an impervious waterproof membrane on concrete and brick.
- Floors: to provide a liquid applied damp-proof sandwich membrane in new construction.
- Walls: for interior and exterior walls.
- As an adhesive: for bonding wood blocks and insulation board, expanded polystyrene and to provide a key for plastering.

Features and Benefits

- Jointless - FEB AQUASEAL HYPRUFE D.P.M forms a continuous, durable damp proof coating.
- Brush application - FEB AQUASEAL HYPRUFE D.P.M is quick and easy to apply by brush direct from the can.
- Solvent Free.

Instructions for Use

Priming: All surfaces to which FEB AQUASEAL HYPRUFE D.P.M is applied must be sound, stable, with an even finish and free from dirt, dust, loose debris, grease, etc. It may be applied to damp but not waterlogged surfaces. Hot, very dry or porous surfaces should be dampened with water before FEB AQUASEAL HYPRUFE D.P.M is applied.

Application: Stir well before use. FEB AQUASEAL HYPRUFE D.P.M may be applied by brush or squeegee. FEB AQUASEAL HYPRUFE D.P.M is not resistant to rain until it has fully dried. Drying time 24 hours or more depending upon the ambient weather conditions. The product should not be applied if it is raining or if rain is threatened. It is best to apply the product on the morning of a good drying day. In confined spaces allow ventilation for drying. Poor ventilation will delay drying times considerably. FEB AQUASEAL HYPRUFE D.P.M is not resistant to frost until it has dried. Do not apply to surfaces which are frozen or frosted, when frost is expected or if the ambient temperature may fall below 5°C.

WATERPROOFING & PROTECTIVE COATING OF STRUCTURES

Foundations, Retaining Walls and Bridge Abutments: FEB AQUASEAL HYPRUFE D.P.M may be applied to green concrete immediately after shuttering has been removed. The FEB AQUASEAL HYPRUFE D.P.M treatment should meet the damp-proof course provided in the base or wall. Two coats should be applied, the first at 2m²/litre, the second at 2.25m²/litre. The first coat should dry before applying the second. Before back filling, while the final coating is still tacky, a layer of building paper should be applied in order to protect it from damage. Then allow two days to elapse before back filling.

Concrete Beams and Columns: FEB AQUASEAL HYPRUFE D.P.M may be used to provide a vertical or horizontal damp-proof membrane on concrete beams and columns before they are clad with masonry or brickwork. Two coats of FEB AQUASEAL HYPRUFE D.P.M should be applied, the first at 2m²/litre, the second at 2.25m²/litre. The first coat should be allowed to dry before applying the second. When the second coat is tacky and black in colour, it should be well blinded with 1 to 2mm stone chippings or clean, sharp sand and should be left to set for at least two days. Any loose sand should be lightly brushed off.

Tanking and Damp proofing Structures below Ground Level: Internal treatment with FEB AQUASEAL HYPRUFE D.P.M can be an effective means of preventing the ingress of dampness but it is unlikely to resist exposure to free water or water pressure. FEB AQUASEAL HYPRUFE D.P.M may be applied to damp but not waterlogged surfaces. Good ventilation for drying should be allowed in confined spaces. Two coats of FEB AQUASEAL HYPRUFE D.P.M should be applied as above. The second coat should be blinded as above and the interior wall must then be finished by an appropriate gypsum plastering.

FLOORS: As a Sandwich Membrane in New Construction : Two coats at the specified rates can give a dried film thickness of at least 0.6mm to comply with BS Code of Practice 102. Brush the first coat of FEB AQUASEAL HYPRUFE D.P.M onto the smooth and clean concrete sub-floor at the rate of 1m²/litre and allow to dry thoroughly. The second coat is then applied at 1m²/litre. Blind with clean sand while tacky as a protection against foot traffic and to provide a good key for the top screed. Allow to dry thoroughly. The top finishing screed should be at least 50mm thick. The FEB AQUASEAL HYPRUFE D.P.M membrane must be taken up walls to marry up with DPC. Ensure that the dried film is not punctured or damaged.

WALLS: FEB AQUASEAL HYPRUFE D.P.M may be used very effectively to treat walls where damp is penetrating. However, if rising dampness is suspected, the best method of prevention will be repair of the DPC or insertion of a new DPC.

Note: Tanking procedures should be adopted for walls in underground structures.

Interior Walls with Extreme Dampness: The plaster should be hacked back to expose the brickwork over the whole area. Any damage to the brickwork and mortar joints should be made good with cement mortar. Three coats of FEB AQUASEAL HYPRUFE D.P.M at 2.25m²/litre approximately should be applied, allowing each one to dry completely before the next is applied. The final coat should be blinded with clean sharp sand while still "tacky" and allowed to dry. New plaster may then be replaced to the level of the surrounding sound plaster. **Note:** Plaster, **not** sand and cement, must be used in the treatments described. Refer to plaster manufacturers to relevant grade of plaster.

Exterior Walls: Remove all dirt, dust and grease. If the surface is uneven, level using cement mortar. Bare brickwork should be covered with a thin skin of cement mortar. This should be allowed to dry. Three coats of FEB AQUASEAL HYPRUFE D.P.M should be applied at 2.5m²/litre. Each coat should be allowed to dry before applying the next. The final coat should be blinded with lean, sharp sand while it is still "tacky".

Coverage

(For Guidance Only) 1.0 – 2.25m² per litre approx. depending on application and substrate. Before FEB AQUASEAL HYPRUFE D.P.M has set, clean tools using soapy water. If set, remove by scraping and with paraffin or white spirit.

Storage

FEB AQUASEAL HYPRUFE D.P.M may be permanently damaged by frost. Store at temperatures in excess of 5°C.

Shelf Life

24 months from date of manufacture when stored in accordance to manufacturer's instructions.

Technical Data/Typical Properties

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| Colour | Black/Brown Liquid |
| Specific Gravity | Approx 1.01 |
| Composition | Thixotropic cold applied bitumen emulsion with added rubber latex |
| Surface Temperature Limits: | Between -4°C and 40°C |
| Solids Content | 60% ± 1% |
| Viscosity | 1200 CPs |
| Tack Free | 1 - 2 hours dependent on ambient temp + humidity |