

TECHNICAL DATA

DRYTEX BM

High build modified PU waterproof coating

DBM elastomeric membrane is a bitumen modified PU based waterproof liquid coating which cures by reaction with atmospheric moisture to give a continuous film

DBM is a high solid coating designed to give a high-build film. It can be brush or roller.

DBM cures to a permanently flexible seamless membrane that, by virtue of its chemical reactivity in the wet state, has good adhesion to a wide range of substrates. Unlike more traditional bitumen based products, Since it is elastomeric **DBM** is not adversely affected by extremes of temperature

Areas of Application

DBM membranes are designed to bond to many types of substrate particularly those commonly requiring a waterproof membrane in 'tanking', above and below ground, and internal wet area sections of buildings. It is essential that the substrate and structures are properly prepared, and stable.

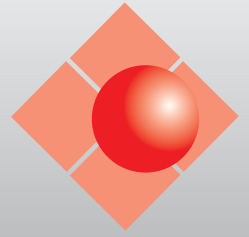
Method of Application

The dry film thickness (DFT) of **DBM** should not be less than 0.5mm or more than 1.0mm for each coat. Rough or textured surfaces will reduce the coverage rate and consequently more material must be allowed to achieve the minimum DFT. **DBM** is a membrane coating, not a paint and as such protection is only achieved with a high film build, i.e. 1 mm on flat surfaces minimum. It is therefore essential that this be achieved. The membrane can be applied in one 1 mm or two 0.5mm coats. Two coats are recommended on uneven and jointed surfaces to minimise the possibility of thin patches, missed areas and pinholing. Also sloping or vertical surfaces will only accept 0.5mm per coat. In the case of two-coat application, it is important to re-coat within 24 hours of the first coat becoming sufficiently cured to allow operator access.

Coverage

Coverage rates may vary with surface texture and porosity. The information given is based on average usage. A site trial is recommended.

DBM: 1 litre / m² on a smooth flat surface will provide an adequate film thickness of approx. 1mm. Any surface texture will increase the surface area which must be allowed for when calculating usage e.g. on a chipping embedded surface the actual area will be approximately doubled.



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Method

1. Remove all loose material by vigorous brushing, wire brush if necessary.
2. Treat any fungal growth with proprietary fungicide as recommended.
3. Allow surface to dry thoroughly and any moisture contained in the structure to evaporate. **DBM** should not be applied to damp substrates.
4. Fill cracks and voids with a polyurethane /ps mastic sealant.
5. Apply **DBM** at a maximum film thickness of 0.5 mm for two-coat applications and 1 mm for one coat.
6. In the case of two-coat application, the first coat should be touch dry 12-48 hours (in some conditions this might be delayed) and the second coat should be applied within 24 hours of this stage to ensure good adhesion.
7. Second coat delay: - if more than 24 hours elapse after touch dry stage of the first coat, re-prime the entire surface and allow to dry before recoating within 4-8 hours.
8. Day-work joints – where application extends over more than a working day, an overlap of 150mm should be used.

Repairs

Minor damage to **DBM** can be repaired by removing loose membrane; cleaning the surrounding area with aromatic hydrocarbon solvent; overlapping by 150mm; priming the area with a suitable product, and finishing with two coats of **DBM**

PROPERTIES

Appearance	Black viscous Liquid
Application limits ° C	60
Elongation%	500
Tensile Strength MN/m ²	2.0
Hydrolysis Resistance	Excellent
Hardness (Shore)	50
Extensibility after Heat Aging	No Cracking

PACKING

20 LITRE PAIL

Storage, Handling and Personal Protection

The recommendations in our Safety Data Sheet for this product must be followed at all times. More general information is included in our publication "A Guide to the Safe Handling of Polyurethane Chemicals" and in the following Technical Data Sheets which are available on request:-

