



TAMMSFLEX WP-BLACK

WATER BASED EXTERIOR PU MODIFIED WATER PROOFING MEMBRANE

DESCRIPTION

Tammsflex WP- Black is a high performance ready to use, cold applied, high build liquid waterproofing membrane based on polymer modified bitumen emulsion. Tammsflex WP- Black forms a seamless, highly elastic and durable film that adheres well to most of the common substrates e.g. concrete, cement blocks, wood, existing roof felts. Tammsflex WP- Black is highly resistant to chlorides and sulphates commonly present in the soil.

PRIMARY APPLICATIONS

- Waterproofing of concrete and block foundations, retaining walls, basements and wet areas such as kitchen, toilet floors and balconies.
- Damp proof membrane in sandwich panel constructions
- Curing membrane cum protective coating for sub structure
- Facade damp proofing

FEATURES/BENEFITS

- Single component, ready to use.
- Creep resistant to temperatures up to 120°C
- Easy to use.
- Non-flammable and Non-toxic
- Applicable immediately after removal of the formwork.
- Resistant to chlorides & sulphates usually present in the soil.
- Environment friendly

TECHNICAL INFORMATION

PROPERTY	RESULT
Appearance	Thixotropic black emulsion dries to a black Flexible protective Membrane
Specific Gravity	1.04 +/- 0.01
Non-volatile content	60%
Rubber content	Min 10
pH	Min 10-12
Drying Time	1-3 hours
Full dry	3-4 days

The drying time depends on the type of substrate, temperature, humidity and thickness of layer, etc.

Properties of dry film

Softening point R & B (ASTM D36 - 84)	:	>120°C.
Water vapour permeability (ASTM E96 - 92)	:	>0.15gr/m ² /day
Elongation at break (ASTM D412)	:	>300%
Recovery at 350% elongation (ASTM D412)	:	>50%
Resistance to water (ASTM D2939)	:	No Blistering or re-emulsification Protection
buildings against Ground water membrane	of :	As per BS 102 Code of practice. Curing : ASTM C 309:1998

PACKAGING

Tammsflex WP can be supplied in 20 Kg pails and 200 kg Drum.

SHELF LIFE

Keep away from direct sunlight and store under normal warehouse conditions. Container must be tightly closed. Shelf life of the product is 12 months from the date of manufacturing provided it is stored in unopened factory packed drums

DIRECTIONS FOR USE

Surface Preparation

All surfaces should be sound, clean and free of contaminants. Absorbent surfaces e.g. concrete should preferably be dampened with water. In kitchens, toilets and other wet areas all the openings should be properly sealed. On all weak points such as cracks or around the pipes use a woven fibreglass mesh as reinforcement between the two coats of Tammsflex WP- Black.

METHOD OF APPLICATION

Tammsflex WP- Black can be applied by brush, roller or squeegee. Hot, dry or very porous substrate should be dampened with clean water prior to application of Tammsflex WP- Black. When two or more coats are required, ensure that the preceding coat is fully dry before applying the successive coat, which should be applied at right angle to preceding coat. Tammsflex WP- Black also acts as a non-degradable curing membrane; hence it may be applied immediately after the removal of mould, to the concrete structure, which has no aesthetic value such as the sub structure of the building.

Application Rate

- For damp proofing/vapour barrier : Apply two coats @ 250-300 grams/m²/coat
- Waterproofing membrane : Apply two coats @ (approx.) 1.0 kg/m²/coat
- Curing membrane : Apply two coats @ 0.4 kg/m²/coat

CLEANING

Tools may be cleaned with water as long as the product is wet. Once dry, by mechanical means only.

HEALTH & SAFETY

Use normal safety precautions. Wear rubber hand gloves, safety shoes and safety goggles while using and handling the product. Avoid contact with skin and eyes. In case of accidental contact with eyes, wash with plenty of water and seek medical treatment immediately.

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