

PRODUCT DATA SHEET

MONOTIGHT EWP

*Flexible Cementitious Waterproofing coating***DESCRIPTION**

MONOTIGHT EWP is a two-component polymer modified highly flexible, cementitious, liquid applied environment friendly waterproof membrane for protection of concrete and mortar. It provides excellent adhesion, flexibility, crack bridging and durability.

USES

MONOTIGHT EWP can be applied to various cementitious surface in marine structures, basement waterproofing, bathrooms, wet area waterproofing, swimming pools, roof waterproofing, water tanks, etc.

ADVANTAGES

- Withstands hydrostatic pressures
- Good bond strength to concrete and masonry
- Good crack bridging capabilities even after long periods of immersion
- Long pot life even at high temperatures

TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	VALUE
Componet	-	Two: part A -liquid :Part B Powder
Mixed Form	-	Slurry
Colour	-	Grey
Mixed density	BSEN 12350-6	1.50kg/ltr+-0.05Toxicity
Toxicity	BS 6920-1	Non-toxic
Working time	-	30 min
Setting time	-	3hrs
Water absorption	BS 1881-5	>95% reduction over control
Bond strength	ASTM D4541	1.5 N/mm ²
Water permeability (at 7 bar pressure)	BS 12390-8	Nil
Crack bridge ability	ASTM C836	No crack at 2mm width
Tensile Strength	ASTM D412	1N/MM ²
Elongation	ASTM D412	>100% (unbonded)
Shore A hardener	ASTM D2240	>70
Tear resistance	ASTM D1004	10N/mm

CHEMICAL & WEAR RESISTANCE

MONOTIGHT EWP resists diesel, petrol, calcium chloride and mild inorganic acids. MONOTIGHT EWP also has excellent resistance to weathering and can accept normal foot traffic.

APPLICATION**Preparation**

It is essential that adequate preparation is carried out prior to the application of MONOTIGHT EWP.

The substrate must be clean and completely free from contaminants including grease, oil and loose material. Any repairs to the substrate should be carried out using monotight ewp build cementitious re-pair mortars.

MIXING

MONOTIGHT PU is supplied as a two component pack consisting of a liquid component and a powder component.

The product cannot be mixed by hand. The liquid should be poured into a 25 litre plastic or metal drum. The powder should be added slowly whilst mixing with a spiral paddle attachment on a slow speed electric drill. Mixing should continue until the product is lump free and for a minimum of 5 minutes.

APPLICATION

The prepared substrate should be dampened using a fine water spray. Care should be taken with porous substrates as more extensive pre-soaking will be required.

Any free water on the surface should be removed immediately prior to applying MONOTIGHTEWP. While the substrate is damp but free from standing water, apply the mixed product a minimum of 2 coats by medium hard short bristle brush, trowel or roller checking that the first coat is at a minimum wet film thickness of no more than 1.5mm and no less than 0.5mm. The product should always be finished in one direction.

The second coat should be applied as soon as the first coat is set hard, normally after a minimum of 3 hours @ 25°C and longer at lower temperatures. This second coat should again be finished in one direction (at 90° to the first coat). Curing Membrane .
 Apply two coats at 3-4 m²/Ltr./coat.
 . Apply two coats at 1.5 – 2.0m²/Ltr./coat.
 . Apply two coats at 5-6m²/Ltr./coat.
 The total thickness should be 2mm on walls and 3mm on floors.

CURING

Normally MONOTIGHT EWP does not need to be cured, however, in hot conditions where there exists high air movement, protection against premature drying is essential. If spray application is considered, contact our Technical Service section for further in-

formation.

EQUIPMENT CLEANING

Tools and equipment should be cleaned immediately using water as, on hardening, the material can only be removed mechanically.

PACKAGING & YIELD

MONOTIGHT EWP is supplied in 20kg two part packs. A complete mixed pack will cover approximately 11.0m² at 1.0 mm thickness depending on the substrate profile.

STORAGE & SHELF LIFE

When stored in a cool environment in original unopened containers, the material has a shelf life of 12 months.

HEALTH & SAFETY

MONOTIGHTEWP contains alkalis and protection should be provided to prevent contact with skin and eyes. Inhalation of dust must be avoided whilst mixing. Gloves, goggles and a dust mask must be worn.

Eye contact

Rinse with copious amounts of clean water and seek medical attention.

Skin contact

Rinse with copious amounts of clean water followed by thorough cleaning with soap and water.
 DO NOT USE SOLVENTS.

FLAMMABILITY

MONOTIGHT EWP is non flammable.

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