



TYL[®] - BituProof

Bitumen Emulsion Foundation Protection Coating

202402

DESCRIPTION

TYL[®]-BituProof is a non-fibrated bitumen emulsion coating of brushing consistency which dries to give a firm, flexible, waterproof and protective membrane.

TYL[®]-BituProof is suitable for the treatment of concrete, asphalt, metal, roofing felt and other similar roofing surfaces that are flat, sloping or vertical. Protection of foundation, retaining wall of steelwork, pipes and metal.



USES

- Bitumen based waterproof coating for roofs and foundations can also be used as a protective coating for concrete and wood surface.
- As bonding agent to bond joint filler (such as TYL[®]-Cell 110 and TYL[®]-Cell 100), insulation board (such as TYL[®]-Insulation Board), polystyrene foam board (such as TYL[®]-Super Foam EPS) on concrete or steel surface.
- As a bond preventing compound between PVC sleeve and dowel bar
- Pile Caps

ADVANTAGES

- General waterproofing, damp proofing and curing membrane of concrete, asbestos cement sheets, roofing felts, wood etc.
- Protection of foundation, retaining wall of steelwork, pipes and metal.
- Vapour permeable-allows substrate to breathe.
- Resists the attack of salts, chloride and sulphate ions present in the soil and ground water.
- Simple and easy to use, no skilled labour required.
- Solvent free.
- Cold applied, no heating required.
- Easy application due to paintable consistency, suitable for new and old concrete.
- Primer is not necessary
- VOC content is 0g/L
- Water Based

SPECIFICATION COMPLIANCE

- ASTM D1227 Type II Class 1
- ASTM C309, when applied at 2m² per liter

PHYSICAL & MECHANICAL PROPERTIES

Property	Typical Results
Appearance	Thixotropic black
Drying Times	2 Hours
Over Coating	4 Hours
Colour	Dark black
Dry Film Thickness	110 microns ± 20
Wet Film Thickness	180 microns ± 20
Specific Gravity	1.00 @ 25°C
Service Temperature	0-60°C
Flammability	Non- Flammable

APPLICATION INSTRUCTIONS**Surface Preparation**

Surfaces to which TYL®-BituProof is to be applied must be clean, free of dirt, rust or any other material which may impair adhesion. Where moss or lichen is present, remove sheets. Cut and reseal blisters in asphalt or roofing. Remove chippings other than those that form the surface of mineralized felt. Old concrete and steel must be structurally sound prior to application.

Application

Apply by brush or roller. Two coats must be applied to ensure a durable finish. Second and subsequent coats should be applied at right angles to each other once previous coats have fully dried. TYL®-BituProof may be applied to damp but not wet surfaces, dampen brushes before and occasionally during use to avoid clogging and ease application. During hot, dry weather application may be assisted by dampening the surfaces to be treated.

PACKAGING

200 and 25 liter drum

COVERAGE

5-7 sqm per liter

LIMITATIONS

Avoid excessive application and skin contact. Surface coated with TYL®-BituProof must be protected from water, including rain and condensation, at all times before placement of concrete.

STORAGE

It has minimum shelf life of 12 months, provided the temperature is kept within the range 4°C to 40°C. Freezing and prolonged exposure to heat or direct sunlight should be avoided.

