

Octa Proof 100

Polymer Modified Clay Stabilized Bitumen Waterproofing and Protective Coating

DESCRIPTION

Octa Proof 100 is a ready to use, cold applied bitumen emulsion modified with selected polymer to provide a tough durable bituminous coating.

USES

- Waterproofing of roofs, foundations, retaining walls and floors, basements, water reservoirs and bridge abutments
- As a waterproof membranes in sandwich waterproofing system
- Protection to below ground concrete elements
- Adhesive for bonding wooden flooring, insulation board, expanded polystyrene and cork tiles, etc.
- Protective coating to concrete and steel pipes
- Curing membrane for freshly laid concrete

ADVANTAGES

- Unlimited storage life
- Anti-frost protection possible
- Creamy consistency - easy to stir & apply
- Unaffected by transportation
- Perfect miscibility with cement and granules
- Can be applied by brush, trowel or spray
- Perfect adherence on all clean substrates
- Completely nonflammable (no flash point)
- No risk of creep due to hot weather or mechanical stress or oxidization
- High resistance to temperature changes
- Uniform and flexible film
- Imparts no taste, odor or color to products which come in contact
- Insensitive to aging in buried conditions

TYPICAL PROPERTIES

- Colour: Brown/Black
- Specific Gravity: 1.12 +1- .01
- Solid Content: 55 +1- .05
- Flash Point: Non-flammable
- Service Temp: -40 °C to +120 °C

SURFACE PREPARATION

All surfaces should be sound, clean and free from contaminates. Loose concrete, laitance, rust, scale, etc. should be removed by suitable means.

APPLICATION METHOD

Octa Proof 100 can be applied by brush, roller or squeegee. Hot or very porous substrate should be dampened with clean water prior to application of Octa Proof 100. When two or more coats are applied, ensure that the earlier coat has fully dried prior to application of the successive coat. Coats should be applied at right angle to each other. This method applies to below ground, walls or roof waterproofing.

PROTECTION

When Octa Proof 100 treated surface has to be left uncovered or intended to be protected by screed or tiles with mortar bed, the coating should be blinded with sand and allowed to dry. Excessive sand should be blown off prior to laying of screed or tiles.

RENDERINGS ON WALLS

On vertical surfaces the plaster or render should be applied over the Octa Proof 100 coated surface by fixing a wire mesh or expanded metal reinforcement to the substrate.

APPLICATION GUIDELINES - ROOF WATERPROOFING

In case of flat roofs, the substrate must have an appropriate slope to permit normal flow of water to drainage points. The surface of the roof shall be reasonably trowelled to a flat finish free of visible aggregate. Remove all traces of dirt, dust and loose particles from the surface and thereafter flush with clean water.

Irregular surfaces which require smoothing should be smoothed using a bitumen/cement paste comprising of a) 1 part portland cement, b) 4 parts sharp sand, c) 2 parts Octa Proof 100 and d) 2 parts water - all measured by volume. Amount of water shall be adjusted to the above mix to obtain a mortar (paste) of required consistency. The bitumen/cement paste thus produced shall be filled in pre-wetted voids and irregularities using a metal scraper to obtain a smooth surface.

CLEANING OF TOOLS

Clean tools immediately after use in a strong soap solution, keep brushes soaking in this solution between applications. Hardened Octa Proof 100 needs physical scrapping followed by rinsing in white sprit or paint thinning solvent.

RECOMMENDED SPREAD RATE

- a) Damp Proof Membrane & Vapor Barrier -
2 coats at 4 square meter per kg per coat
32 square meter
- b) Waterproofing Membrane - 2 coats at 2 square
meter per kg per coat
16 square meter
- c) Curing Membrane - 1 coat at 4 square meter
per kg per coat 72 square meter

Note: The above areas indicate coverage per standard drum of 16 kg at recommended spread rates.

PACKING

16 Kg Bucket.

RECOMMENDATIONS & PRECAUTIONS

Stir contents or roll drums prior to use. Do not apply on water logged surfaces or when rain is imminent. Octa Proof 100 is a non-hazardous and non-toxic emulsion, however harmful if swallowed. Avoid contact with eyes or skin. In case of accidental contact with eyes, wash with plenty of water and seek medical advice.