



MEGASHIELD B 5010

Rubberized & Fibrated Bitumen Emulsion

Product Description

Rubberized bitumen emulsion coating with selected fillers, fibers and extenders, and offers brushing consistency which dries to give an elastomeric, flexible, monolithic waterproof and protective membrane.

Typical application

MEGASHIELD B 5010 can be effectively used in wet area waterproofing. It also provides good damp proofing for concrete, masonry, asbestos cement sheets, and roofing felts etc.

MEGASHIELD B 5010 is suitable for the treatment concrete, asphalt, metal, roofing felt and other similar roofing surfaces whether flat, sloping or vertical. When added protection is required, MEGASHIELD B 5010 may be used in conjunction with a reinforcing fabric.

Advantages

- Water based, Single component.
- Cold applied, no heating required.
- Forms an elastomeric membrane.
- Reduced chloride penetrations due to hard impermeable surface.
- Multipurpose, serves both as a protective coating and curing membrane.
- Environmentally friendly. Contains no Solvents, no health hazards.
- Asbestos free, odorless. Can be applied in closed and confined spaces.
- Easy application due to paintable consistency, suitable for new and old concrete.

Standard Compliance

MEGASHIELD B 5010 complies with ASTM D1227 Type 2 Class 2 requirements for emulsified bituminous coating for roofing and also with concrete curing requirements of ASTM C309-93 .

Typical properties

- Color : Dark Brown/ black coating
- Solid content : 50 % ± 2
- Rubber content : 10 %
- Specific Gravity : 1.05 ± 0.05 @ 250 C
- PH : 9- 11
- Service Temperature : -10 0 C to 850 C
- Application temp : 50 to 450 C
- Elongation : > 450%
- Drying time @ 250 C : 6-8 hours per coat
- Chemical Resistance : Water, aqueous groundwater, Salt solutions, mild detergents Acids and Alkalis

Directions of use

Surface preparation

The surface which MEGASHIELD B 5010 is to be applied must be clean and free of dust, traces of curing compound, or any other material which may impair adhesion.

All surface imperfections should be removed and repaired. Old concrete must be structurally sound prior to application.

Application and Coverage

Apply by brush or roller. Two or more coats must be applied to ensure a durable finish. Second and subsequent coats should be applied at right angles to each other once previous coat have fully cured, allow min 24 hours between first and second coat for better curing.

MEGASHIELD B 5010 can be applied to damp but not water clogged surfaces, dampen the brush before and occasionally during use, for smoother application.

Coverage

Apply the coating at a coverage rate of 2-4 m²/Lt, Depending on the dry film thickness required. 400 micron dry film thickness (DFT) can be achieved when applied at 3m² /Lt/coat.

Note:

The applied coatings of MEGASHIELD B 5010 require full cure before it undergo flood test. To achieve full cure will take 6-7 days, subject to favorable moisture, temperature and ventilation conditions in the location.



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Packaging/ Storage

MEGASHIELD B 5010 is supplied in 1L, 4L and 10L plastic Pails.

Store in shaded warehouses away from direct sunlight, heat, humidity or moisture.

Shelf life will be 12 months when stored as per recommendations. Excessive exposure to sunlight or other sources of heat will result in deterioration of the product and reduce its shelf life.

Reinforcing System

When the surface need an additional protection, a reinforcing membrane should be incorporated into the coating. Carry out surface preparation as above and apply the first coat of MEGASHIELD B 5010 whilst still wet, bed in the reinforcing fabric brushing in well to ensure good adhesion.

Health & Safety

As with all chemical products, care should be taken to avoid contact with skin, eyes, mouth and foodstuffs. Treat splashes to eyes and skin immediately, by thorough washing with clean water. If ingested seek medical attention.

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