

Domoproof[®] Bitumen Emulsion

V 2021/03

Water-based Bituminous Emulsion

Domoproof[®] Bitumen Emulsion is a thixotropic, water-based bituminous emulsion in a pasty form. It dries to form a protective film of use to a wide variety of applications. It adheres easily to most surfaces and is particularly suitable for protecting concrete substructures.

Characteristics

- Easily applied, ready to use
- Cold applied by brush, roller or spray
- Single component
- Can be applied on damp surfaces
- Water-based, non-flammable and with zero aromatic solvents
- Compatible with concrete, metal and wood surfaces

Features & Advantages

Domoproof[®] Bitumen Emulsion dries to provide a firm, jointless waterproof membrane which can fill and seal hairline cracks, pinholes and minor surface imperfections.

It provides a lasting weatherproof, waterproof and anti-corrosion protection coating. It has excellent resistance to oxidation and does not creep.

Fields of Application

- **Waterproofing and protection** of underground concrete or metal structures
- **As a primer** to all sorts of torch-applied bituminous membranes, improving their adhesion to the substrate
- **Damp-proofing and protection** of foundations, underground tanks, building decks etc

Application Instructions

Domoproof[®] Bitumen Emulsion should be stirred well before use. Apply cold using a paintbrush, hand brush, or trowel. Surfaces to be treated must be sound, clean and slightly moistened (metal surfaces should not be moistened). Use a suitable product to remove any grease or oil residue. Dilute only with clean, cold water. Do not heat or add solvents. Protect finishes and coatings from rain for at least 24 hours. Tools and equipment may be washed in water whilst the product is still fresh.

To remove the product after it has dried, use white spirit.

IMPORTERS/ DISTRIBUTORS:

Application Instructions

Damp-proofing protection

Apply one coat of **Domoproof® Bitumen Emulsion** diluted with 10 to 30 % of water, depending on the porosity of the surface to be treated. Repeat a second coat applied at right angles to the first diluted with less water.

Priming for bituminous membranes

Apply one coat of **Domoproof® Bitumen Emulsion** diluted with around 40 % of water, depending on the porosity of the surface to be treated.

Waterproofing System

Apply one coat of **Domoproof® Bitumen Emulsion** diluted with 40 % of water. Subsequently apply two coats of undiluted **Domoproof® Bitumen Emulsion** the second coat being applied at right angles to the first. Alternatively, other products of the **Domoproof®** series may be used in subsequent coats as part of a waterproofing 'system' as specified.

Coverage

The coverage may vary, depending on the intended/specified use. Generally, 0.5-0.8 kg/m² per coat.

Storage- Shelf Life

The pails and drums must be stored in a covered area away from direct sunlight. Under these conditions, the product has a shelf life on 12 months

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Safety Instructions

Product for professional use only. Protect the skin and eyes from splashes. Wear protective clothing including gloves and safety goggles. In case of splashing on the skin or eyes treat with fresh water immediately. For additional information consult the MSDS of the material.

Packaging

5 kg plastic pail
18 kg plastic pail
200 kg metal drum

Warning

Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all above information must, in every case, be taken as merely indicative and subject to confirmation after long-term application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application; in every case, the user alone, is fully responsible for any consequences deriving from the use of the product.

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Technical Characteristics

| PROPERTIES | VALUES * |
|--------------------------------------|-----------------------------------|
| Color | Dark brown, dries to black |
| Form | Thixotropic, viscous liquid-paste |
| Solid content by weight [%] | 52-55 |
| Water content by weight [%] | 45-48 |
| Density @ 25° C [kg/l] | 1.02 |
| Solubility | Water |
| Flash point | Non flammable |
| Odour | Light-Odourless |
| Drying time at density @ 25° C [min] | 240 |
| Application temperature [° C] | 5 to 55 |
| Service Temperature [° C] | -5 to 90 |

* All values subject to 5-10% tolerance

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