

MASTERSEAL[®] 406

Fibrated bitumen emulsion

Description

MASTERSEAL[®] 406 is a stable, brushable high solids bitumen emulsion containing mineral fillers, stabilising additives, and non asbestos fibres. MASTERSEAL[®] 406 dries to provide a firm, jointless waterproof membrane which can fill and seal hairline cracks, pinholes and minor surface imperfections.

*Typical properties

Solids content	50%
Weight per ltr	1.00 kg / litre
Service temperatures	Approx. 10°C to 80°C
Flashpoint	non flammable

Methods of application

By brush, broom, trowel and squeegee.

Primary uses

MASTERSEAL[®] 406 is effective on a large variety of surfaces including:

- concrete
- asbestos cement
- asphalt
- lead
- zinc
- roofing felt
- corrugated iron

MASTERSEAL[®] 406 can be used

- to protect concrete against acidic and salty ground waters.
- waterproofing membrane in sandwich construction.
- general purpose waterproofing and repair compound for pitched or flat roofs.

Packaging

MASTERSEAL[®] 406 is available in 200 litre drums.

Application rates

0.8-1.2 litres / m²

DFT achieved at above coverage rate 0.4-0.6mm.

Application procedure

Roofs:

No roof coating product can be expected to repair an existing roof which is not structurally sound and stable. Before using MASTERSEAL[®] 406 the roof structure should be inspected and if necessary put in order. All cracked, broken, slipped or missing slates, tiles / sheets or other forms of covering should be replaced or refixed.

Penetration of the surface is of great importance and will influence the degree of adhesion and life of the renovation. All roof surfaces to be coated should be sound, stable, clean and free from loose debris, dirt and grease. All traces of algae and fungi growth should be removed using a stiff bristled brush.

Carrying out preparatory work. Minor cracks and defects will be effectively filled and covered by the coating but where these are wider than 3mm they should first be filled and the mastic allowed to dry.

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Storage

Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air conditioned environment. As with all bitumen emulsions, some settlement will occur with prolonged storage. It is, therefore, necessary to invert drums every other week to disperse the settlement.

Shelf life is up to 1 year, in unopened containers, when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF's Technical Services Department.

Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product is fully cured or dried). Treat splashes to skin and eyes immediately. If accidentally ingested, seek medical attention. Reseal containers after use. For further information refer to the Material Safety Data Sheet.

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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* Properties listed are based on laboratory controlled tests.

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As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

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