

CAT. No. WP-07-2011

ROOF MASTIC

Trowel – Applied Waterproofing Mastic

ROOF MASTIC is a heavy viscosity, high build, mastic consistency asphalt designed as a permanent, waterproof barrier to protect concrete against entry of water under pressure. It consists of asphalt cement, solvents and non-asbestos fibrous reinforcements. It can also be applied on steel as an anti-corrosion protection.

USES

ROOF MASTIC is used for waterproofing of below grade concrete structures such as structural/foundation walls, floor slabs, building, footings and other concrete in contact with the ground. **ROOF MASTIC** can also be used for repairing worn felt/ asphalt roofs, parapets, flashings.

ADVANTAGES

- Resistant to water, alkalies, chlorides, sulfates, mild acids and organic matter in soils.
- Non-asbestos fibers provide reinforcement against cracking or blistering.
- Single component, excellent flexibility.
- Trowel, High-build consistency for thicker application.
- Excellent adhesion to steel and cement bound substrates. Also adheres well on sheet membranes.

SPECIFICATION

ROOF MASTIC conforms with the pertinent requirements of ASTM D 2822 class 1 and flexibility requirement of BS 3416.

TYPICAL PROPERTIES

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| • Specific Gravity
@ 25°Celsius | 1.16 ± 0.01 |
| • % Non-volatiles (by weight) | 80 Minimum |
| • Water, % (by mass) | 0.50 |
| • Fibers & mineral fillers | 23% Minimum |
| • Asphalt content | 60% Maximum |
| • Behaviour at 60°C | No Blistering, 3mm Sag. |
| • Touch dry at 25°C; 1mm wet film thick | 8 Hours minimum |
| (Note: Drying time will be longer for thicker coats and lesser ambient temperature.) | |
| • Bend test, 6mm Mandrel, (BS3416) | No cracking, no disbonding |
| • Recommended minimum coating thickness | 1-2 coats at 1mm wet film thick per coat (750 mic DFT) |
| • Re-coat interval | 8-24 Hours @ 25°C |
- (Note: It is recommended to apply **ROOF MASTIC** in 1mm thick coat at a time to ensure proper evaporation of solvent and speed-up drying)

DIRECTION FOR USE

SURFACE PREPERATION

Surface should be clean, dry and free from rust, mill scale, dust, dirt, sealers, curing compounds, grease, oil and other foreign matters. For cleaning oil grease deposits, use ISOLA CHEMICAL DEGREASER. Old and porous surface should first be treated with Bituprimer S applied at the rate of 5-5.5 square meters per liter one coat. This should be allowed to dry for at least 8 hours prior to coating with **ROOF MASTIC**

APPLICATION

Apply **ROOF MASTIC** by trowel on the surface to be water proofed in a continuous unbroken film free from surface breaks and pinholes. Apply at the rate of 1 liter per square meter per coat. This should give a wet film thickness of 1mm and corresponding dry film thickness of 0.75mm. Additional coats are highly recommended especially on below ground structures. However, each coat should be allowed to dry until tack free for atleast 24 hours.

PACKING/COVERAGE

ROOF MASTIC is packed in 20 liter and 1 gallon metal pails. Theoretical coverage is 1 liter per square meter at 1000 microns wet film thickness (750 microns dry film thickness).

- 1 gallon 3.8 sq. metes/coat @ 750 mic DFT
- 20 liters 20 sq. meters/coat @ 750 mic DFT
10 sq. meters/2 coats @ 1.5mm DFT

This coverage only applies to a smooth, levelled surface and will be lesser depending on surface profile and irregularities. It is always advisable to maintain the minimum coating thickness, regardless of the nature of the substrate. The use of wet film thickness gauge to check the coating thickness is highly recommended.

CAUTION

ROOF MASTIC contains solvent. Keep away from open flames. In case of fire, extinguish with sand or carbon dioxide extinguisher. Always store in full shade. Keep away from direct sunlight.

HEALTH & SAFETY

Always use protective hand gloves when using this product. Always ensure adequate ventilation when working on confined space. When accidently spilled on the skin, wash immediately with kerosene then soap and water.

SHELF LIFE

Eighteen(18) months in original unopened container stored in covered environment below 30⁰ Celsius.

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Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

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