

## General Description:

MASTHERM is an elastomeric insulating coat based on high grade acrylic resin and fillers to provide a thermal insulation to a wall surfaces and roof. It is formulated to protect the substrate from efflorescence and aggressive agent present in the environment and serve as a waterproofing. When applied directly to rust will convert iron oxide to iron sulphate, thus preventing further rusting problems.

## Advantages:

- Non toxic
- Good adhesion properties.
- Repels water vapour and humidity.
- Allows the release of any moisture coming up from the ground by capillary action.
- Protect the formation of fungus and algae.
- Anti condensation and high thermal insulation property that reduce up to 40%.
- Inherent flexibility to accommodate hairline cracks in the substrate.
- High build maintenance finishes
- Ease of application.

## Characteristics and Physical Properties:

Colour	White & Pigmented
Gloss	Eggshell
Specific weight	1.00 +/- 0.5 kg/L
Solid Content (%W)	60
Coverage	2 – 3 m <sup>2</sup> /L @ 200 microns
Touch dry	1 – 2 hrs.
Recoat	5 – 6 hrs.
Shelf life	12 months
Flash point	65°C
Dilution	Water
VOC	70 g/L
Application	By brush, roller and airless spray gun

## Surface Preparation:

### New Substrates:

- Substrate must be free from any form of contaminants.
- Apply 1 coat of MAS Masonry AR Primer as impregnating sealer for concrete.
- Apply 1 – 2 coats of MASTHERM.

### Old Concrete (previously painted)

- Remove all blistered, cracked and peeled off paint from the surface.
- Penetrated paint must be cleared and treated with 3% ammonia and water.
- Glossy finish coat must be sanded.
- Apply 1 coat of MAS Masonry AR Primer as impregnating sealer. Apply 1 – 2 coats of MASTHERM

## Metal

- Surface to be coated must be free from other contaminants (oil, grease and other foreign matters.)
- Apply one (1) coat of MAS Aqua Metal Primer and keep it dry for 24 hours.
- Apply MASTHERM at the rate of 200 micron to attain the required specifications.

## Method of Application:

Instruction for use	
Airless Spray	
Recommended Thinner	Sweet water
Volume of Thinner	Approx. 0 – 5%
Nozzle orifice	0.46 – 0.53 mm.
Roller	
Recommended Thinner	Sweet water
Volume of Thinner	Approx. 0 – 5%
Cleaning	Sweet water

## Typical Recommended System:

### Concrete

MAS Masonry AR Primer	1 coat
MAS THERMALSHIELD	1-2 coats

### Metal

MAS Aqua Metal Primer	1 coat
MAS THERMALSHIELD	1-2 coats

## Storage:

The product must be stored in accordance with national regulations. The product should be kept in a cool and well ventilated place, protected from heat and direct sunlight. Containers must be kept tightly closed.

## Cleaning of Tools:

All tools should be cleaned with water.

## Packing:

Available in 20 liter (Pail)

## Precautions:



See Safety Indication Sheet.

*The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.*

## MAS PAINTS & CHEMICAL INDUSTRY

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