

AQUASMART® THERMO-SEALER

Water based Polyurethane lightweight insulating putty

DESCRIPTION

AQUASMART® THERMO-SEALER is a water based, 100% polyurethane lightweight insulating putty ideal for sealing/repairing cracks/holes. The material is elastomeric through a large range of temperatures and even down to -20 °C.

The material displays excellent adhesion on most building substrates and is easily applied by standard caulking gun. No reinforcement is required, and the material is easily over painted without requiring any sanding.

FEATURES & BENEFITS

- No cracking even after prolonged exposure to very low temperatures
- Excellent insulating properties, 100% closed cells.
- Water based
- Easy to apply & repair.
- Thixotropic, can seal/fill even large cracks/holes

APPLICATION PREREQUISITES

Can be successfully applied on:

Concrete, stucco, over old acrylic well adhered paints, wood old plaster board both indoor and outdoor.

APPLICATION PROCEDURE

Cracks must be opened and any loose residues must be removed. Surfaces must be free from dirt, oils, and other contaminants.

Apply the material with a standard caulking gun and tool by spatula. The application should be carried out within a temperature range of 5-40 Degrees C and not during wet weather.

CONSUMPTION

Depending on application

CLEANING

Clean tools and equipment immediately with water.

PACKAGING

600 cc sausages

SHELF LIFE

12 months

SAFETY INFORMATION

The MSDS (Material Safety Data Sheet) is available on request.

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TECHNICAL SPECIFICATIONS

In liquid form (before application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86, @ 25 °C	10,000 -15,000
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20 °C	0,4-0,5
Required application temperature	°C	-	> 5

In cured form (after application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Heat conductivity	w/mk	EN ISO 12667	0,04
Service temperature	°C	-	-20 to 90
Tensile strength at break @ 23 °C	Kg/cm ² (N/mm ²)	ASTM D412 / EN-ISO-527-3	50 (5.0)
Elongation @ 23 °C	%	ASTM D412 / EN-ISO-527-3	> 300

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