

# MasterSeal<sup>®</sup> M 261

**Single component aliphatic hybrid polyurethane liquid waterproofing membrane for concrete and steel exposed roofing applications**

## DESCRIPTION

**MasterSeal M 261** Polyurethane hybrid coating which cures with the humidity in the atmosphere. It produces a highly elastic, hydrophobic membrane and has been designed to offer excellent long-term waterproofing of porous and non-porous substrates. The rheology of the material is such that it allows easy application even on vertical substrate.

Once cured **MasterSeal M 261** provides a highly flexible UV resistant seamless membrane.

## PRIMARY USES

Waterproofing of

- For new and refurbishment projects.
- Roofing made of metal & fibrous cement.
- Concrete roof
- Polyurethane foams
- Under-tile applications (wetrooms).
- Damp-proof coating for foundations.
- Verandas and balconies.

## TYPICAL PROPERTIES

### Liquid form - Prior to application

Property	Standard	Data	Unit
Viscosity (Brookfield)	ASTM 02196-86, @25°C	30,000 - 50,000	Cp
Specific Gravity @ 20°C	ASTM 0147 5/ DIN 53217 /ISO 2811	1.45 to 1.55	gr/cm <sup>3</sup>
Required Appl. Temperature	--	>5°C	°C

### Cured Form – Post Application

Property	Standard	Data	Unit
Service Temperature	--	-20 to +90	°C
Hardness	ASTM D2240/DIN 53505/ ISO R868	70	Shore A
Tensile Strength at break at 23°C	ASTM 0412 / EN- ISO- 527-3	50 (5.0)	Kg/ cm <sup>2</sup> (N/mm <sup>2</sup> )
Elongation at 23°C	ASTM 0412 / EN- ISO- 527-3	> 300	%
Water Absorption	--	<5	%
QUV Accelerated Weathering Test (4Hr UV, @ 60°C (UVB-Lamps) & 4hr COND @ 50°C)	ASTM G53	Passed (2,000 Hrs)	

## FEATURES AND BENEFITS

- Nontoxic.
- Highly elastic
- UV Resistant.
- Easy application even on vertical substrates.
- Suitable to be used in -20°C to + 90 °C
- Water vapour transmission - The film breathes so there is no accumulation of humidity under the coat.
  - Special primers available for almost any substrate.
  - Suitable for porous and non-porous substrates.

## STANDARDS

CE: ETAG 005, Part 1 and Part 6.

# MasterSeal® M 261

## PACKAGING

MasterSeal M 261 is supplied as 12 Kg and 20 kg units.

## APPLICATION REQUIRMENTS

### Can be successfully applied on:

Concrete, fibrous cement, cement roof tiles, wood, galvanized steel, PU foam. For information about other substrates, please contact our technical department.

### Standard concrete substrate conditions:

Hardness: R2s = 15 Mpa.

Humidity: W < 10%.

Temperature: 5-35 °C. Relative humidity: < 85%.

## APPLICATION PROCEDURE

### Surface preparation:

The surface to be coated must be clean, dry free of laitance, oil, grease or any substance that may impair adhesion.

The preferred methods of surface preparations are: captive blasting, surface grinding or similar. Weak or damaged concrete must be removed, then replaced with a suitable repair compound from the **MasterEmaco** or **MasterBrace** range of products.

### Priming:

Metal and concrete substrates shall be primed with **MasterSeal P 260 /261** .

Alternatively, Concrete and other porous substrates shall be primed using **MasterSeal M 261** diluted with 10% potable water.

### Application :

Apply with brush, roller, trowel or airless spray in two or more coats.

## COVERAGE

- Applied with roller or brush –

First coat: 0.6-0.8 kg/m<sup>2</sup>.

Second coat: 0.6-0.9 kg/m<sup>2</sup>.

- Applied by airless spray: 0.5 kg/m<sup>2</sup> per coat.

Minimum total consumption: >1.5 kg/m<sup>2</sup> for waterproofing, depending on project requirements.

For use as a protective paint, recommended consumption is 0,5 Kg/m<sup>2</sup>.

## SHELF LIFE

The shelf life is 12 months in original unopened pails if stored in dry places and at temperatures of 5-25°C. Once opened, use as soon as possible.

## CLEANING

Clean tools and equipment first with paper and then using with clean water while it is wet.

## NOTE

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

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

## QUALITY AND CARE

All products manufactured by Master Builders Solutions Egypt, or imported from Master Builders Solutions affiliate companies world- wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

\* Properties listed are based on laboratory controlled tests.

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