

# MasterSeal<sup>®</sup> M 261

Very Fast Drying, Water based, Fully Aliphatic Polyurethane Hybrid Coating for Waterproofing and Protection

## DESCRIPTION

MasterSeal M 261 is a water based, very fast drying, aliphatic Polyurethane hybrid coating for waterproofing and protection. The product is easily applied on both vertical and horizontal substrates and forms a seamless, elastic and hydrophobic membrane.

Apply with brush, roller or airless spraying in two or more coats. The quantity applied is depending on the final use requirements.

## COMPLIANCE - CERTIFICATION

**CE** certified acc. ETAG 005, Part 1 & Part 6

**No:** CPR-17/0922

**CE** certified acc. EN 1504-02

**No:** 2085-CPR-061

## RECOMMENDED FOR

Waterproofing and Protection of:

- PU foam
- Roofs
- Light roofing made of metal or fibrous cement
- Under tile applications such as wet rooms
- Protection of concrete/reinforced concrete from carbonization

## LIMITATIONS

**Not recommended for:**

- Unsound substrates: (in some cases, application is possible with the use of geotextile reinforcement; please contact our technical department for consultations).

## FEATURES & BENEFITS

- Water based
- Very fast drying
- Easy to apply & repair.
- Thixotropic
- Seamless.
- Elastic.
- Highly resistant to stagnating water (ensure proper adhesion-see suitable primers list).
- Water vapor transmission: The film breathes so there is no accumulation of humidity under the coat.
- Excellent weather and UV resistance. The white color reflects much of the solar energy and so reduces the internal temperature of structures considerably.

## APPLICATION PREREQUISITES

**Can be successfully applied on:**

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

**Standard concrete substrate conditions:**

- Hardness: R28 = 15 Mpa.
- Humidity: W < 10%.
- Temperature: 5-35°C.
- Relative humidity: < 85%.

**Suitable primers:** MasterSeal M 260/261 or MasterKure 181, depending on the substrate. Please contact our technical department for primer selection advice.

## APPLICATION PROCEDURE

Clean the substrate using a high-pressure washer, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, cured membranes must also be removed. Surface irregularities should also be filled.

**Priming:**

Apply recommended primer according to Technical Data Sheet specifications.

For non-demanding applications (where standing water or negative water pressure is not an issue) prime with same material by diluting with 15% water. For more professional applications, apply primers as per above list or contact our technical department for further information.

**Mixing:**

Use a low speed (300 rpm) mixer. Although thinning is not necessary, the material can be further thinned by 5-10% water.

**Application:**

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

Do not apply under conditions of extreme wet weather or imminent rain or near freezing temperature.

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## CONSUMPTION

- 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 spraying: 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>.

## CLEANING

Clean tools and equipment immediately with water.

## TECHNICAL SPECIFICATIONS

### In liquid form (before application):

70% active substance.

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86, @ 25 °C	15,000-40,000
Specific weight	gr/cm <sup>3</sup>	ASTM D1475 / DIN 53217 / ISO 2811, @ 20 °C	1.45-1.55
Required application temperature	°C	-	> 5

### In cured form (after application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Service temperature	°C	-	-20 to 90
Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	70
Tensile strength at break @ 23 °C	Kg/cm <sup>2</sup> (N/mm <sup>2</sup> )	ASTM D412 / EN-ISO-527-3	50 (5.0)
Elongation @ 23 °C	%	ASTM D412 / EN-ISO-527-3	> 300
H <sub>2</sub> O absorption	%	-	< 5
QUV Accelerated Weathering Test (4hr UV, @ 60 °C (UVB-Lamps) & 4hr COND @ 50 °C)	-	ASTM G53	passed (2,000 hours)

## PACKAGING

Plastic pails of 12 kg (+125 gr booster), 20 kg (+ 200 gr booster)

## SHELF LIFE

Can be kept for 12 months minimum in the original unopened pails in dry places and at temperatures of 5-25°C. Once opened, use as soon as possible. Protect from freezing conditions.

## SAFETY INFORMATION

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

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## 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 Master Builders Solutions Products are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards of ISO 9001 and Master Builders Solutions ESHQ recommendations.

\* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC-Group in many countries

## CONTACT

Should you require any further information, please do not hesitate to contact us:

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## Disclaimer:

In view of widely varying site conditions and fields of application of our products, this technical data sheet is meant to provide general application guidelines only. This information is based on our present knowledge and experience. The customer is not released from the obligation to conduct careful testing of suitability and possible application for the intended use. The customer is obliged to contact the technical help-line for fields of application not expressly stated in the technical data sheet under "Fields of Application". Use of the product beyond the fields of application as stated in the technical data sheet without previous consultation with Master Builders Solutions and possible resulting damages are in the sole responsibility of the customer.

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