

# MASTERSEAL<sup>®</sup> 666

## Two-component polyurethane waterproofing coating

### Description

MASTERSEAL 666 is a two-component, polyurethane, liquid applied, waterproof coating. The resulting membrane is an elastomeric waterproofing.

### Typical applications

MASTERSEAL 666 is recommended for waterproofing and damp proofing applications in basements, bathrooms, kitchens, pools, refrigeration storage, roofs and other wet areas.

### Advantages

- High bond strength
- High tensile strength and elongation
- High build application in a single layer two coat application is recommended
- High solid content
- Chemical cure, does not need the presence of moisture
- Corrosion resistant, mildew proof and frost-resistant

### System characteristics

Thickness of coated film: In below ground structures, wet areas and roofs it should not be less than 1.2mm dft.

Where a superior performance is required the material can be reinforced with a layer of woven glass fiber mesh. Each coat encapsulating the mesh should be 1mm dft.

All liquid applications should be applied in at least two coats to achieve the desired thickness.

### Storage

The product should be stored in a dry and shaded area. Shelf life of the product is one year from the date of manufacture.

### Package

MASTERSEAL 666 is supplied in two components.

Part A: 8kg

Part B: 20kg

### Standard

ASTM C836

### \*Physical / chemical properties

|  |                      |
|--|----------------------|
| Tensile strength ASTM D412               | 1.9N/mm <sup>2</sup> |
| Elongation at break ASTM D412 (%)        | > 450                |
| Water impermeability<br>(0.3MPa/30min)   | Impermeable          |
| Solid content (%)                        | ≥ 90                 |
| Surface drying (time/hr)                 | ≤ 8                  |
| Drying (time/hr)                         | ≤ 24                 |
| Bond strength on damp substrate<br>(MPa) | 0.50                 |
| Pot life @ 25°C                          | > 70 mts             |

### Yield

One unit 28kg will yield 21.53 liters, and should cover 16.16 m<sup>2</sup> for a 1.2mm dft.

### Application procedure

#### Substrate preparation:

The substrate should be smooth, clean, and free of laitance, grease, oils and standing water.

#### Mixing:

The two components should be mixed thoroughly using mechanical means. The mixing should be carried out in a separate container. Part B should be poured in the separate container and Part A should be added while stirring/agitating the Part B. Mix thoroughly until uniform, before applying to the substrate.

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## Precautions during applications

- No obvious water accumulation should be present on the substrate. Any water should be removed at least 24 hours prior to application and the substrate should be substantially dry.
- The application temperature should be between 5°C - 40°C. Construction site should be well ventilated.
- After mixing of two components, material should be used within the gel time, this may vary depending on the temperature.

## Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF Construction Chemicals representative.

BASF reserves the right to have the true cause of any liability determined by accepted test methods.

## Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational Health & Safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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\* Properties listed are based on laboratory controlled tests.

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