

MasterSeal[®] M 866

A tough elastic two component polyurethane membrane

DESCRIPTION

MasterSeal M 866 is a two component solvent free polyurethane coating suitable for use in traffic coating systems to provide crack bridging and waterproofing capability. When used in car park decking systems it will bridge dynamic cracks.

PRIMARY USES

MasterSeal M 866 is used primarily as a durable elastic membrane in polyurethane coating systems for car parks.

ADVANTAGES

- Tough
- Elastic
- Aggregate scatter does not sink through the wet coat.

PACKAGING

MasterSeal M 866 is supplied in 25kg units.

COVERAGE

From 0.5kg/m² to 1.5kg/m² dependent upon application. Contact Saudi Master Builders Solutions Technical Department for clarification prior to application.

STANDARDS

ASTM C957

TYPICAL PROPERTIES*

Pot Life at 25°C	45 minutes
Tensile strength ASTM C957	6N/mm ²
Elongation ASTM C957	100%

GUIDE TO APPLICATION

Application temperature

The quality of the final finish is dependent on the substrate and the material temperatures, we recommend a substrate temperature of min. +10°C and max. +35°C.

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 method of surface preparation 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.

Surface conditioning / priming

The prepared surface must be conditioned to receive the **MasterSeal M 866** by the application of **MasterTop P 650** surface conditioner / sealer applied at the rate of 0.15-0.30kg/m² depending on the absorption of the concrete substrate.

MIXING

Mix the complete contents of the A and B components of **MasterTop P 650** together thoroughly.

Do not mix more primer than can be used within 15 minutes at 25°C. See datasheet MasterTop P 650. Apply the mixed material by paint roller, brush or airless spray.

Into the wet coating, broadcast **MasterTop SR 3** at the minimum rate of 0.6kg/m² do not apply to excess, but do not leave bald areas.

Allow to cure for minimum 6 hours with a substrate temperature of 25°C or 3 hours at 40°C. Remove loose aggregate by vacuuming cleaning or sweeping. Scrape the edge of a trowel over the surface to remove aggregate that may be standing too proud of the surface.

MIXING for MasterSeal M 866

Mix the A and B components of the **MasterSeal M 866** together using a slow speed (400 rpm) drill with a spiral mixing head. Work the mixer round the mixing pail to ensure it scrapes the side and bottom of the pail. Pour the part mixed material into a clean pail and re-mix for a further 30 seconds.

APPLICATION

Pour the mixed material onto the floor and spread at the required coverage using pin screed or trowel.

Into the wet **MasterSeal M 866**, broadcast aggregate MasterTop SR 3 to excess.

Allow to cure for 24 hours at 25°C.

Remove excess aggregate by sweeping or vacuuming.

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TOPCOAT

Apply a minimum of 0.8kg/m² (total) of **MasterSeal TC 258** in two coats.

STORAGE

Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air conditioned environment. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult Master Builders Solutions's Technical Services Department.

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

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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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