

MasterSeal M 866

A tough elastic two component polyurethane membrane

MATERIAL 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.

PACKAGING

MasterSeal M 866 is supplied in 25kg units.

Part A = 20.243kg

Part B = 4.757kg : Total=25kg.

ADVANTAGES

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

TYPICAL PROPERTIES*

Pot life @ 25°C	45 mins
Tensile strength ASTM C957	6N/mm ²
Elongation ASTM C957	100%

COVERAGE

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

STANDARDS

ASTM C957

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 1200** 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 1200 together thoroughly.

Do not mix more primer than can be used within 15 minutes at 25°C. See datasheet **MasterTop 1200**.

Apply the mixed material by paint roller or 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 remix for a further 30 seconds.

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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.

TOPCOAT

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

STORAGE

Store out of direct sunlight, clear of the ground on pallets protected from rainfall. 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' Technical Services Department.

NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

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* Properties listed are based on laboratory controlled tests.

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