

MASTERTOP[®] MEMBRANE 23

A tough elastic two component polyurethane membrane

Description

MASTERTOP[®] MEMBRANE 23 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

MASTERTOP[®] MEMBRANE 23 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

MASTERTOP[®] MEMBRANE 23 is supplied in 30kg units.

Coverage

From 0.5kg/m² dependent upon application. Contact BASF CC UAE Technical Department for clarification prior to application.

*Physical properties

Mix ratio A:B	4:1 by weight
Mixed density	1.18gm/cm ³
Pot Life at 20°C - 30kg unit	45 minutes
Tensile strength DIN 53504	6N/mm ²
Elongation at break DIN 53504	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. +12°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 EMACO or CONCREVIVE range of products.

Surface conditioning / priming

The prepared surface must be conditioned to receive the MASTERTOP[®] MEMBRANE 23 by the application of MASTERTOP[®] PRIMER 2 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[®] PRIMER 2 together until streak free.

Do not mix more primer than can be used within 15 minutes at 25°C. See datasheet MASTERTOP[®] PRIMER 2.

MASTERTOP[®] MEMBRANE 23

Apply the mixed material by paint roller, brush or airless spray.

Into the wet coating, broadcast MASTERTOP[®] SRA No. 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 5 hours with a substrate temperature of 20°C or 3 hours at 30°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 MASTERTOP[®] MEMBRANE 23:

Mix the A and B components of the MASTERTOP[®] MEMBRANE 23 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 MASTERTOP[®] MEMBRANE 23, broadcast aggregate MASTERTOP[®] SRA No. 3 to excess.

Allow to cure for 48 hours at 20°C.

Remove excess aggregate by sweeping or vacuuming.

Topcoat:

Apply a minimum of 0.8kg/m² (total) of MASTERTOP[®] TC 458 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 BASF's Technical Services Department.

Note

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

BASF reserves the right to have the true cause of any difficulty 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.

01/99 BASF_CC-UAE revised 08/2005

* Properties listed are based on laboratory controlled tests.

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.