

# MASTERTOP<sup>®</sup> 1332

## Polyurethane, waterproofing and protective traffic-deck coating system

### Description

MASTERTOP<sup>®</sup> 1332 is a UV stable polyurethane based multi-layered car park decking system for exposed and intermediate traffic decks where crack bridging and waterproofing properties are required.

MASTERTOP<sup>®</sup> 1332 has been tested for crack bridging in accordance with ASTM C836.

- **MASTERTOP<sup>®</sup> PRIMER 2** - Is a high grade, low-viscosity, two-component epoxy resin primer and substrate sealer.
- **MASTERTOP<sup>®</sup> SRA No. 3** - A graded, high purity quartz aggregate with a particle size in the range 0.3–0.9mm. Used as a multi action: mechanical key, wear enhancer and to provide skid resistance, it's use is the means by which thickness is attained with economy for the various wearing conditions such as: in traffic lanes, ramps and turning areas.
- **MASTERTOP<sup>®</sup> MEMBRANE 23** – Is a two component solvent free polyurethane membrane suitable for use in trafficked coating systems that require crack bridging capability. When used in car park decking systems it will bridge dynamic cracks.
- **MASTERTOP<sup>®</sup> TC 400** - Is a single component polyurethane coating designed for application as an intermediate coat in the MASTERTOP<sup>®</sup> traffic deck systems
- **MASTERTOP<sup>®</sup> TC 458** - Is a single component polyurethane coating designed for application as a topcoat on traffic deck systems. It provides a UV-resistant, hard-elastic surface resistant to general and vehicle related chemical spillage and abrasion.

- **MASTERTOP<sup>®</sup> TC 44 LM** – A tough, surface applied pigmented line marking coating.

### Primary uses

- Car park decks (exposed and intermediate)
- Ramps
- Heavy duty turning areas

### Packaging

MASTERTOP <sup>®</sup> PRIMER 2	-	15kg
MASTERTOP <sup>®</sup> SRA NO. 3	-	25kg
MASTERTOP <sup>®</sup> MEMBRANE 23	-	30kg
MASTERTOP <sup>®</sup> TC 400	-	25kg
MASTERTOP <sup>®</sup> TC 458	-	35kg
MASTERTOP <sup>®</sup> TC 44 LM	-	18 litres

### Coverage

MASTERTOP <sup>®</sup> PRIMER 2	0.15-0.30kg/m <sup>2</sup> depending on surface texture and porosity.
MASTERTOP <sup>®</sup> SRA NO. 3	Total coverage from 1.6kg/m <sup>2</sup>
MASTERTOP <sup>®</sup> MEMBRANE 23	from 0.5kg/m <sup>2</sup> per coat
MASTERTOP <sup>®</sup> TC 400	from 0.35kg/m <sup>2</sup> per coat
MASTERTOP <sup>®</sup> TC 458	from 0.4 per coat (anti-slip)

Please ref to BASF CC UAE LLC Method Statements

### Standards

Complies to ASTM C957 : 1993 when tested in accordance with:

- ASTM C501 : 1990
- ASTM C794 : 1993

Tested for crack bridging in accordance with; ASTM C836.



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Tested for Slip Resistance in accordance with:  
BS 7976-2:2002

Tested for Abrasion Resistance in accordance  
with: ASTM C501

Tested for Fire Resistance in accordance with;  
Swiss Fire Class, Fume Class 1 Resistance to  
flying fire and heat radiation (DIN 4102-B2)

## Guide to application

### Application temperature:

The quality of the final coating is dependent on the substrate and the material temperatures, we recommend a substrate temperature of min. +12°C and max. +35°C.

### Surface preparation and priming

The surface to be coated must be clean, dry free of laitance, oil, grease or any substance that may impair adhesion.

The preferred methods of surface preparation are captive blasting, surface grinding or similar.

Weak or damaged concrete must be removed, and replaced with a suitable repair compound from the EMACO or CONGRESIVE range of products. Surface defects should be repaired using CONGRESIVE 2200 or other suitable repair compounds from the CONGRESIVE or EMACO range.

### Priming:

Mix and apply MASTERTOP<sup>®</sup> PRIMER 2 surface conditioner to the prepared dust free surface at approximately 0.15-0.30kg/m<sup>2</sup>. Into the wet primer, scatter 0.6kg/m<sup>2</sup> MASTERTOP<sup>®</sup> SRA No. 3.

## Mixing and application

### Mixing for MASTERTOP<sup>®</sup> MEMBRANE 23:

Mix the A and B components of the MASTERTOP<sup>®</sup> 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 mixed material into a clean pail and mix for a further 30 seconds.

Pour the mixed material onto the floor and spread at the required coverage (minimum 0.5kg/m<sup>2</sup>) using pin screed or trowel.

Into the wet MASTERTOP<sup>®</sup> MEMBRANE 23, broadcast aggregate MASTERTOP<sup>®</sup> SRA No. 3 to excess (from 1.0kg/m<sup>2</sup>).

Allow to cure for 24 hours at 25°C.

Remove excess aggregate by sweeping or vacuuming.

### Intermediate Coat

Apply MASTERTOP<sup>®</sup> TC 400 at a minimum of 0.35kg/m<sup>2</sup> per coat (one coat required)

Or

Apply MASTERTOP<sup>®</sup> TC 458 at a minimum of 0.4kg/m<sup>2</sup> per coat.

### Topcoat:

Apply MASTERTOP<sup>®</sup> TC 458 at a minimum of 0.4kg/m<sup>2</sup> per coat (two coats minimum).

NB Refer to method statement for further details.

### Chemical resistance

Contact the BASF Technical Department



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## Storage

Store under cover out of direct sunlight and protect from extremes of temperature.

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.

## Safety precautions

For further information, a material safety data sheet is available to the specialist applicator.

## 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.

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

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