

MASTERTOP[®] 1332 (Low VOC)

Polyurethane, waterproofing and protective traffic-deck coating system

Description

MASTERTOP[®] 1332 (Low VOC) 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[®] PRIMER 2** - Is a high grade, low-viscosity, two-component epoxy resin primer and substrate sealer.
- **MASTERTOP[®] 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[®] M 523** – Is a single 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[®] TC 426** – Is a single component polyurethane coating designed for internal and external applications where a UV stable solvent-free top coat is the preferred option
- **MASTERTOP[®] TC 44 LM** – A tough, surface applied pigmented line marking coating.

Primary uses

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

Standards

Tested for Slip Resistance in accordance with: EN 13036 – 4: 2003

Rubber Slider	Slip resistance value
CEN 42	< 46

Note: UKSRG general guidelines for slip resistance values and risk of slipping

TRRL Pendulum Value	Potential for Slip
0-24	High
25-35	Moderate
36+	Low

Tested for Abrasion Resistance in accordance with: ASTM D 4060

Abrasion wheel	Wt. Loss mg/1000 cycles
CS17 with 1Kg weight	53.33
Elongation at break ASTM D 412	500%

Packaging

MASTERTOP [®] PRIMER 2	-	15kg
MASTERTOP [®] SRA NO. 3	-	25kg
MASTERTOP [®] M 523	-	21kg
MASTERTOP [®] TC 426	-	24kg
MASTERTOP [®] TC 44 LM	-	18 litres

Surface & Substrate Preparation

The surface must be clean and dry. Remove dirt, dust oil and all forms of contamination that could interfere with the adhesion of the coating.



The Chemical Company

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Concrete

Concrete must be cured for 28 days. Mechanical surface profiling is the method of preparation. Suitable preparation includes light grit blasting, surface grinding etc. Voids and pinholes must be repaired using MASTERTOP[®] FILLER 2200 or other suitable repair compounds from the CONGRESIVE or EMACO range.

Steel

Prepare steel to SSPC-SP6 Surface profile 50-75 micron.

Primer

MASTERTOP[®] PRIMER 2 is recommended.

For best performance

- Prior to application, pre-condition the MASTERTOP[®] materials to a temperature of approximately 25°C.
- MASTERTOP[®] M 523 and Top coats should be stirred before use to ensure uniformity mix and colour.
- Apply in accordance with the latest BASF MASTERTOP 1332 (Low VOC) Method Statement
- Working times are as per individual data sheets. Higher temperatures will shorten the working time. Contact Technical Service when substrates are over 40°C or under 15°C.
- Avoid the application of MASTERTOP[®] 1332 (Low VOC) materials when inclement weather is present or imminent
- Do not apply when the humidity exceeds 90%. Ensure that the substrate temperature is 3°C higher than the dew point

The curing time of the material is influenced by the humidity and the ambient and substrate temperatures, the chemical reaction is slowed down; this lengthens the curing time and the re-coating intervals. At high humidity and high temperatures the chemical reaction is accelerated thus the time frames mentioned above are shortened accordingly.

Chemical resistance

Contact the BASF Technical Department.

Storage

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

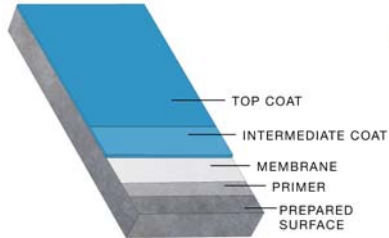
Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF's Technical Services Department.

Safety precautions

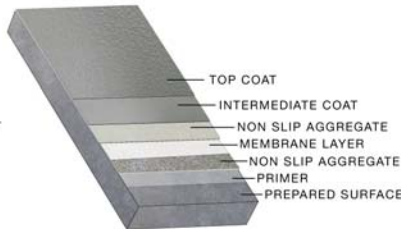
For further information, a material safety data sheet is available to the specialist applicator.

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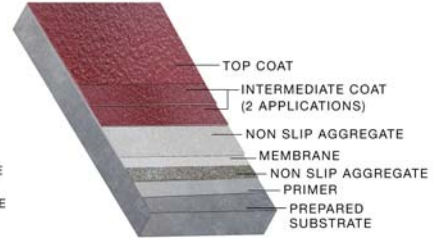
Mastertop 1332 - Smooth Pedestrian Coating



Mastertop 1332 - Driving Lanes & Parking Bays



Mastertop 1332 - Ramps and Turning areas



Application Rates

	Material	Smooth Pedestrian Coating	Driving Lanes & Parking Bays	Ramps & Turning Areas
Primer	MASTERTOP [®] PRIMER 2	0.15-0.3 Kg/m ²	0.15-0.3 Kg/m ²	0.15-0.3 Kg/m ²
Non-Slip Aggregate	MASTERTOP [®] SRA No. 3	-	0.6 Kg/m ²	0.6 Kg/m ²
Membrane	MASTERTOP M523	0.5 Kg/m ²	0.5 Kg/m ²	0.7 Kg/m ²
Non-Slip Aggregate	MASTERTOP [®] SRA No. 3	-	1 Kg/m ²	1.5 Kg/m ²
Intermediate Coat	MASTERTOP [®] TC 426	0.30 Kg/m ²	0.35 Kg/m ²	2 x 0.35Kg/m ² (Total 0.7 Kg)
Top Coat	MASTERTOP [®] TC 426	0.30 Kg/m ²	0.35 Kg/ m ²	0.35 Kg/m ²

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.

08/2010 BASF_CC-UAE

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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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