BASF
The Chemical Company

MASTERTOP® 1330

Polyurethane, protective traffic-deck coating system

Description

MASTERTOP® 1330 is a UV stable, multi-layered, durable, polyurethane deck coating system providing a seamless and protective, wear resistant, profiled surface. MASTERTOP® 1330 is pigmented, allowing improved aesthetics and the demarcation of pedestrian and traffic areas, for safety and improved traffic flow.
MASTERTOP® 1330 has been tested for crack bridging in accordance with ASTM C836.
MASTERTOP® 1330 may consist of the following BASF UAE products -

- **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® TC 400 -** Is a single component polyurethane coating designed for application as an intermediate coat in the MASTERTOP® traffic deck systems.
- **MASTERTOP® 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® TC 44 LM** – A tough, surface applied pigmented line marking coating.

Primary uses

MASTERTOP® 1330 may be specified as a protective trafficable wear resistant membrane for a variety of applications including:-

- Car park decks
- Trafficable flat roofs
- Traffic ramps
- Plant rooms
- Sports stadia and grandstand waterproofing coatings
- Balconies
- Protection of concrete from the damaging effects of salt water, chemicals, fuel and oil spillage.

MASTERTOP® 1330 may be applied at varying thicknesses dependant upon quantity and rate of traffic – please refer to BASF Technical department for project specific coverages.

Packaging

MASTERTOP® PRIMER 2	-	15kg
MASTERTOP® SRA No 3	-	25kg
MASTERTOP® TC 458	-	24kg
MASTERTOP® TC 400	-	25kg
MASTERTOP® TC 44 LM	-	18 litres

Coverage

MASTERTOP® PRIMER 2	0.15-0.30kg/m² depending on surface texture and porosity.
MASTERTOP® SRA No 3	0.6kg-2.0kg dependent on application
MASTERTOP® TC 400	From 0.35kg/m² per coat
MASTERTOP® TC 458	0.4kg/m² per coat (anti-slip) 0.3kg/m² per coat (smooth)
NB: Please ref to BASF CC UAE LLC Method Statements	

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Standards
Complies to ASTM C957 : 1993 when tested in accordance with:
ASTM C501: 1990
ASTM C794: 1993

Tensile test to ASTM D412 after exposure in accordance with: ASTM G53, ASTM B117.

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).

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 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 CONCRESIVE® range of products.

Surface defects should be repaired using MASTERTOP® Filler 2200 or other suitable repair compounds from the CONCRESIVE or EMACO range.

Priming:
Mix and apply MASTERTOP® PRIMER 2 surface conditioner to the prepared dust free surface at approximately 0.15-0.30kg/m². Into the wet primer, scatter 0.6-2.0kg/m² MASTERTOP® SRA No. 3.

Note: If a smooth surface finish is required, omit the aggregate scatter.
Allow to cure.

Application Intermediate Coat
MASTERTOP® TC 400 or MASTERTOP TC 458 should be stirred before use to ensure uniformity of colour.

Apply by roller or airless spray to the primed tack free surface.

Apply at a minimum rate of 0.35-0.4kg/m² per coat.

An additional intermediate coat is required for ramps and turning areas applied at the rate of 0.4kg/m² (1 coat).

NB Please refer to BASF Method Statements or Technical Department for project specific coverages.

a. Smooth pedestrian coating
b. Driving lanes and parking bays
c. Turning areas and ramps

Do not apply when the humidity exceeds 90%. Ensure that the substrate temperature is 3°C higher than the dew point.

Application Top Coat
MASTERTOP® TC 458 should be stirred before use to ensure uniformity of colour.

Apply by roller or airless spray to the tack free coated surface.

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Apply at the rate of 0.3-0.4kg/m² (in 1 coat) with a minimum of 0.4kg/m² for vehicular traffic and 0.3kg/m² for pedestrian traffic. MASTERTOP® TC 458 can be applied as a smooth coat, or as a multi coat sandwich system incorporating aggregates to give a slip resistant finish. When applying as a top coat or part of a multi coat system, do not exceed the maximum overcoating times of the previous coating.

NB Please refer to BASF Method Statements or BASF Technical Department for project specific coverages.

a. Smooth pedestrian coating
b. Driving lanes and parking bays
c. Turning areas and ramps

Do not apply when the humidity exceeds 90%. Ensure that the substrate temperature is 3°C higher than the dew point.

Chemical resistance
MASTERTOP® TC 458 is resistant to acids and alkalis of medium concentrations, mineral oil products and solvents. Contact your local BASF office for specific details.

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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