

MASTERTOP[®] 1325

Seamless, self-smoothing flexible Polyurethane based flooring system

Description

A polyurethane based flooring system for commercial, semi-industrial and institutional applications.

- **MASTERTOP[®] PRIMER 2** - Is a high grade, low-viscosity, two-component epoxy resin primer and substrate sealer.
- **MASTERTOP[®] BC 325 N** - Is a two component solvent free polyurethane. The tough elastic liquid applied floor covering has excellent sound deadening and fatigue reducing properties.
- **MASTERTOP[®] TC 465** - Is a pigmented, low viscosity two component polyurethane top coat which cures to an elastic film with a silk-mat finish. MASTERTOP TC 465 contains solvents.
- **MASTERTOP[®] SRA No. 1** - A graded, high purity quartz aggregate with a particle size in the range 0.0 –0.3mm.

Primary uses

As a sound deadening, comfortable flooring system where heavy pedestrian traffic is anticipated i.e. corridors, shower and changing facilities, hospitals, cafeterias and canteens, offices, schools, hotels, shops and supermarkets, leisure and health clubs, multi-purpose halls and public areas.

Packaging

MASTERTOP[®] 1325 is supplied as follows:

MASTERTOP [®] PRIMER 2	-	15kg
MASTERTOP [®] BC 325 N	-	30kg
MASTERTOP [®] TC 465	-	10kg
MASTERTOP [®] SRA NO. 1	-	25kg

Coverage

MASTERTOP [®] PRIMER 2	0.15-0.3kg / m ² depending on surface texture and porosity.
MASTERTOP [®] BC 325 N mixed with MASTERTOP [®] SRA No. 1 (ratio 30kg : 10kg)	From 2.2-3.7kg / m ²
MASTERTOP [®] TC 465	0.10-0.12kg / m ² / coat

Thickness

From 1.5mm-2.5mm

*Typical properties

MASTERTOP[®] PRIMER 2 - Typical properties

Cured at 7 days @20°C		
Pot Life:	25°C	20 mins
Density:	1.09	
Bonding strength	Greater than cohesive strength of typical good quality concrete substrate	
Application time	approx. 20 mins. at approx. 25°C	
Application temperature	10°C to 40°C substrate temp	
Recoat after	approx. 6 hours at 30°C approx. 12 hours at 20°C	

MASTERTOP[®] BC 325 N - Typical properties

Mixing ratio A : B	3.5 : 1 by weight	
Mixed density at 20°C, mixture	1.49 gm/cm ³ (mixed density with aggregate)	
Viscosity at 20°C, mixture	1,700 ± 400 mPas	
Pot life at 20°C	35 ± 5 minutes	
Shore A hardness	80 ± 5 (approx. 70 at 24 hours)	
Tensile strength (DIN 53504)	6-8 N/mm ²	
Elongation at break (DIN 53504)	160 ± 20 %	

MASTERTOP[®] 1325

MASTERTOP[®] TC 465 - Typical properties

Mixing ratio A : B	5 : 1 by weight	
Solids content	64% by volume	
Mixed Density	Part A @ 23°C	1.38g/cm ³
	Part B @ 23°C	1.14g/cm ³
	Mix @ 23°C	1.31g/cm ³
Viscosity at 23°C	600 Mpas	
Density at 20°C, mixture	1.05 gm/cm ³ (colourless)	
Working time (10kg unit) at 23°C	Min. 35	
Recoat intervals at 23°C	Min. 24 h	
	Min. 48 h	
	Min. 48 h	
Ready for food traffic at 23°C	Min. 48 h	
Fully cured at 23°C	7 d	
Ready for exposure to chemicals		
Gloss level	Silk-mat	
Permissible ambient and substrate temperature	Min. 8°C	
	Max. 30°C	
Permissible relative humidity	Max. 80%	

Guide to application

Application temperature:

Prior to application MASTERTOP[®] 1325 should be stored under cover and protected from extremes of temperature which may cause inconsistent workability, finish and cure times of the mixed material.

Surface preparation:

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

The preferred methods of 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 CONCRESSIVE range of products.

Surface conditioning / priming

The prepared surface must be conditioned to receive the MASTERTOP[®] BC 325 N by the application of MASTERTOP[®] PRIMER 2 applied at the rate of 0.15-0.3kg/m² depending on the absorption of the concrete substrate.

Primer Mixing:

Pour the B component into the A component and mix until streak free.

Do not mix more primer than can be used within 15 minutes at 25°C.

See MASTERTOP[®] PRIMER 2 technical datasheet.

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

Allow to cure for minimum 5 hours with a substrate temperature of 20°C or 3 hours at 30°C.

Bodycoat Mixing:

Mix the A and B components of the MASTERTOP[®] BC 325 N together adding 10kg of MASTERTOP[®] SRA No. 1 per 30kg unit whilst mixing for a minimum of 3 minutes. Use 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 part mixed material into a fresh container and mix for a further 30 seconds.

Application:

Pour the material onto the floor and spread at the required coverage.

Allow to cure overnight.

Top coat / sealer:

MASTERTOP[®] BC 325 N must be sealed with MASTERTOP[®] TC 465.

If a matt finish is required, MASTERTOP[®] TC 407W or MASTERTOP[®] TC 467 C may be applied to complete the system.

Please refer to individual datasheets for further information.



The Chemical Company

MASTERTOP[®] 1325

Chemical resistance

Contact your BASF Regional office.

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.

01/99 BASF_CC-UAE revised 07/2009

* 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.

BASF Construction Chemicals UAE LLC

P.O. Box 37127, Dubai, UAE

Tel: +971 4 8090800

Fax: +971 4 8851002

www.basf-cc.ae

