

MASTERTOP[®] 1325 AB

A decorative, seamless, self-smoothing, flexible polyurethane flooring system designed to produce a comfortable floor with an even satin-mat finish enhanced with bacteriostatic properties in accordance with the Japanese Testing Standard JIS Z 21801: 2000

Description

MASTERTOP 1325 AB is a tough decorative multi-component polyurethane flooring system designed for use in health care facilities and institutional applications such as hospitals where a high degree of hygiene and aesthetics are required.

MASTERTOP 1325 AB in a build-up system composed of:

MASTERTOP P 617 – A high grade, low-viscosity epoxy resin primer and substrate sealer.

MASTERTOP BC 325 N – A tough elastic liquid applied solvent free polyurethane which has excellent sound deadening and fatigue reducing properties.

MASTERTOP TC 465 AB – An anti-bacterial, pigmented polyurethane which produces a permanently elastic, wear resistant UV stable stain matt finish.

MASTERTOP SRA NO. 1 – A high grade fine filler.

Primary uses

As a sound deadening, comfortable flooring system in areas of heavy pedestrian traffic such as:

- Ward Corridors
- Changing Rooms
- Surgeries
- Intensive Care Units
- Work Stations

Packaging

MASTERTOP [®] P 617 (2 components)	-	10kg
MASTERTOP [®] BC 325 N (2 components)	-	30kg
MASTERTOP [®] TC 465 AB (2 components)	-	10kg
MASTERTOP [®] SRA No. 1	-	25kg

Coverage

MASTERTOP [®] P617	0.2-0.3kg / m ² depending on surface texture and porosity.
MASTERTOP [®] BC 325 N with MASTERTOP [®] SRA No. 1	From 2.2-3.7kg / m ²
MASTERTOP [®] TC 465 AB	0.10-0.15kg / m ² / coat
MASTERTOP [®] SRA No 1	10kg / unit of MASTERTOP [®] BC 325 N

Thickness

From 1.5mm-2.5mm

*Typical properties

MASTERTOP[®] BC 325 N

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 AB

*Typical properties

MASTERTOP[®] TC 465 AB

Mixing ratio A : B	5 : 1 by weight
Solids content	64% by volume
Mixed density at 23°C	1.31 gm/cm ³
Viscosity at 23°C	600 mPas
Working time (10kg) at 23°C	35 min.
Recoat intervals at 23°C	24 h – min. 48 h – max.
Ready for food traffic @ 23°C	48 h
Fully cured @ 23°C Ready for exposure to chemicals	7 d
Gloss level	Silk-mat
Permissible ambient and substrate temperature	8°C min 30°C max
Permissible relative humidity	80% max.

Guide to application

Application temperature:

Prior to application MASTERTOP[®] 1325 AB components 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[®] P617 surface conditioner / sealer applied at the rate of 0.2-0.3kg/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[®] P617 technical datasheet.

Apply the mixed material by paint roller or brush.

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[®] 465 AB.

Before mixing pre-condition both A&B components to a temperature of approximately 15-25°C. For full details of mixing and instructions please refer to the MASTERTOP 1325 AB installation method statement.

MASTERTOP TC 465 AB is applied by roller at a rate of 0.10 to 0.15kg / m² / coat.

MASTERTOP[®] 1325 AB

Note: MASTERTOP TC 465 AB has an anti-bacterial function. Do not apply any waxes on the surface. This will inhibit the anti-bacterial function. Consult the anti-bacterial floor care cleaning concept for further information.

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.

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* Properties listed are based on laboratory controlled tests.

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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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