

# MasterTop® 1325AB

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

**MasterTop P 650** - Is a high grade, low-viscosity, two-component epoxy resin primer and substrate sealer.

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

**MasterTop TC 417W** – Is a water borne, non-solvented, low emission, pigmented 2K-PU top coat which cure to a matt finish.

**MasterTop TC 407WAB** – Is a bacteriostatic, water borne, non-solvented, low emission, clear 2K-PU top coat which cure to a matt finish.

**MasterTop SR 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

<b>MasterTop P 650</b>	15kg
<b>MasterTop BC 325N</b>	30kg
<b>MasterTop TC 417W</b>	10kg
<b>MasterTop TC 407WAB</b>	10kg
<b>MasterTop SR 1</b>	25kg

## COVERAGE

<b>MasterTop P 650</b>	0.15-0.3kg / m <sup>2</sup> depending on surface texture and porosity.
<b>MasterTop BC 325N</b> mixed with <b>MasterTop SR 1</b> (ratio 30kg : 10kg)	From 2.2-3.7kg / m <sup>2</sup>
<b>MasterTop TC 417W</b>	0.10-0.12kg / m <sup>2</sup> / coat
<b>MasterTop TC 407WAB</b>	0.10-0.12kg / m <sup>2</sup> / coat

## THICKNESS

From 1.5mm-2.5mm

## CHEMICAL RESISTANCE

Contact your BASF Regional office.

## \*TYPICAL PROPERTIES

### MasterTop P 650

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	

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## MasterTop BC 325N

Mix ratio	3.5 : 1
Density pigmented at 23°C	
Part A	1.32 g/cm <sup>3</sup>
Part B	1.22 g/cm <sup>3</sup>
Mixed	1.29 g/cm <sup>3</sup>
Viscosity pigmented at 23°C	
Part A	2520 mPa.s
Part B	270 mPa.s
Mixed	1500 mPa.s
Pot life at 23°C	30 min.
Re-coating interval / ready for traffic at 23°C	min 12 hours max. 48 hours
Fully cured/ready for exposure to chemicals at 23°C	7 days
Substrate and application temperatures at 23°C	min 8°C max. 30°C
Max. permissible relative humidity	min. 75% max. 85%
Shore-A hardness after 7 days	79
Tensile strength DIN 51504	7.0N/mm <sup>2</sup>
Fully cured/ready for exposure to chemicals DIN 53504	150%

## MasterTop TC 417W

Mix ratio	6 : 1
Solid content	50%
Density pigmented at 23°C	
Part A	1.20 g/cm <sup>3</sup>
Part B	1.13 g/cm <sup>3</sup>
Mixed	1.20 g/cm <sup>3</sup>
Viscosity pigmented at 23°C	
Part A	170 mPa.s
Part B	1480 mPa.s
Mixed	270 mPa.s
Working time at 20°C	45 min.
Ambient & substrate temperature	min. 10°C max. 30°C
Re-coating interval at 20°C	min 16 hours max. 24 hours
Light pedestrian traffic	
at 12°C / 50% r.h.	24 hours
at 23°C / 50% r.h.	18 hours
at 30°C / 50% r.h.	12 hours
Fully cured at 23°C	7 days
Max. relative humidity	min. 30% max. 80%
Surface properties	matt, light structure

## MasterTop TC 407WAB

Mix ratio	6 : 1
Solid content	48%
Mixed Density at 23°C	1.06 g/cm <sup>3</sup>
Mixed Viscosity at 23°C / 4mm DIN cup	45-55 s
Working time at 20°C	45 min.
Ambient and substrate temperature	min. 10°C max. 30°C
Re-coating interval at 20°C	min 16 hours max. 24 hours
Light pedestrian traffic	
at 12°C / 50% r.h.	24 hours
at 23°C / 50% r.h.	18 hours
at 30°C / 50% r.h.	12 hours
Fully cured at 23°C	7 days
Max. relative humidity	min. 30% max. 80%
Surface properties	matt, light structure

## GUIDE TO APPLICATION

### APPLICATION TEMPERATURE

Prior to application **MasterTop 1325AB** 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 **MasterEmaco** or **MasterBrace** range of products.

### SURFACE CONDITIONING / PRIMING

The prepared surface must be conditioned to receive the **MasterTop BC 325N** by the application of **MasterTop P 650** surface conditioner / sealer applied at the rate of 0.15-0.3kg/m<sup>2</sup> depending on the absorption of the concrete substrate.

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## 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 P 650** 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 325N** together adding 10kg of **MasterTop SR 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 325N** must be sealed with **MasterTop TC 417W** and **MasterTop TC407WAB**.

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 1325AB** installation method statement.

**MasterTop TC 417W** and **MasterTop TC407WAB** applied by roller at a rate of 0.10 to 0.12kg / m<sup>2</sup> / coat.

Note: **MasterTop TC 417W** and **MasterTop TC 407WAB** have 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.

## 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.

\* Properties listed are based on laboratory controlled tests.

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## STATEMENT OF RESPONSIBILITY

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## NOTE

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