

# MasterTop® 1325

Seamless, self-smoothing flexible Polyurethane based flooring system

## DESCRIPTION

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

- **MasterTop P 650** - 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 417W** – Is a water borne, non-solvented, low emission, pigmented 2K-PU top coat which cure to a matt finish.
- **MasterTop SR 1** - A graded, high purity quartz aggregate with a particle size in the range 0.0 – 0.3mm.

## DESCRIPTION

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:

<b>MasterTop P 650</b>	- 15kg
<b>MasterTop BC 325 N</b>	- 30kg
<b>MasterTop TC 417W</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 325 N</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

## THICKNESS

From 1.5mm-2.5mm

## TYPICAL PROPERTIES\*

### MasterTop P 650 – 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 <sup>3</sup> (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 <sup>2</sup>	
Elongation at break (DIN 53504)	160 ± 20 %	

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## 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	170mPa.s
Part B	1480mPa.s
Mixed	270mPa.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

## 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 **MasterEmaco** or **MasterBrace** range of products.

### SURFACE CONDITIONING / PRIMING

The prepared surface must be conditioned to receive the **MasterTop BC 325 N** by the application of **MasterTop P 650** applied at the rate of 0.15-0.3kg/m<sup>2</sup> 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 P 650** 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 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 325 N** must be sealed with **MasterTop TC 417W**.

If a matt finish is required, **MasterTop TC 417W** (Pigmented) or **MasterTop TC 467 C-N** may be applied to complete the system.

Please refer to individual datasheets for further information.

# MasterTop<sup>®</sup> 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 BASF Products are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards of ISO 9001 and BASF ESHQ recommendations.

\* Properties listed are based on laboratory controlled tests.

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## STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

## NOTE

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