

MASTERTOP BC 325 N

2K-PU coating, solvent free, low emission, elastic, pigmented and sound absorbing, self-levelling

Product description

MASTERTOP BC 325 N is a two component, solvent free and **low emission**, self levelling, floor coating which cures to a soft and elastic material with a hard wearing, easy to maintain surface and a tolerance to a wide range of cleaners and mild chemicals. Once coated with the recommended MASTERTOP top coat.

MASTERTOP BC 325N is supplied ready for use but can be further extended (except for REG systems) with oven dried silica sand, 0.1 – 0.3 mm, at a ratio of 100 parts by weight MASTERTOP BC 325 N to 30 parts by weight sand.

The floor coating must be coated with a **pigmented** top coat (i.e. MASTERTOP TC 465 or MASTERTOP TC 407 W pigmented) to avoid a yellowness.

Fields of application

MASTERTOP BC 325 N is used as a body coat and forms the basis of the comfort series of floor coating systems MASTERTOP 1325 and MASTERTOP 1325 REG which find use in applications such as:

- Hospitals and old peoples homes
- Schools
- Libraries
- Offices
- Cafeterias and canteens
- Shops and supermarkets

Features and benefits

- low emission according to AgBB
- soft, elastic
- high degree of walking comfort
- sound absorbing
- hard wearing
- crack bridging
- easy to apply
- excellent self-levelling properties
- can be applied to asphalt and other substrates

Application method

MASTERTOP BC 325 N is supplied in working packs which are pre-packaged in the exact ratio. Before mixing, precondition both A and B components to a temperature of approximately 15 to 25 °C. Pour the entire contents of part B into the container of part A. **DO NOT MIX BY HAND.** Mix with a mechanical drill and paddle at a very low speed (ca. 300 rpm) for at least 3 minutes. Scrape the sides and the bottom of the container several times to ensure complete mixing. Keep the mixer blades submerged in the coating to avoid introducing air bubbles. **DO NOT WORK OUT OF THE ORIGINAL CONTAINER.** After proper mixing to a homogeneous consistency pour the mixed parts A and B into a fresh container and mix for another minute. If MASTERTOP BC 325 N is to be extended with sand, the sand should be added to the

Technical data*

Mixing ratio		by weight	3,5 : 1
Density	at 23 °C	g/cm ³	1,29
Viscosity (Brookfield/Sp.5/20U)	at 23 °C	mPas	1500
Pot life (30-kg unit)	at 23 °C	min.	30
Re-coating interval/Ready for traffic	at 23 °C	h	min. 12
		d	max. 2
Fully cured/Ready for exposure to chemicals	at 23 °C	d	7
Substrate and application temperatures		°C	min. 8
		°C	max. 30
Max. permissible relative humidity		%	75

Technical data cured material*

Shore-A-hardness	after 7 days		79
Tensile strength	DIN 53504	N/mm ²	7,0
Elongation	DIN 53504	%	150

* The above figures are intended as a guide only and should not be used as a basis for specifications.

mixed components under continuous mixing until uniformly distributed.

MASTERTOP BC 325 N is poured onto the prepared substrate and spread with a notched trowel, or spreader (rubber or steel). Bubbles should be removed by rolling with a spiked roller.

The curing time of the material is influenced by the ambient, material and substrate temperatures. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, open time and curing times. High temperatures speed up the chemical reactions thus the time frames mentioned above are shortened accordingly. To fully cure, the material, substrate and application temperature should not fall below the minimum. The temperature of the substrate must be at least 3K above the dew point both during the application and for at least 8 hours after application (at 15° C).

Substrate pre-treatment

MASTERTOP BC 325 N must be applied to substrates primed with a epoxy or a polyurethane primer. The substrate must be load bearing, free of loose and brittle particles as well as substances, which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants. After surface preparation the tensile strength of the substrate should exceed 1.5 N/mm² (check with an approved pull-off tester i.e. "Herion" at a load rate of 100 N/s). The residual moisture content of the substrate must not exceed 4 % (check with e.g. CM device).

The temperature of the substrate must be at least 3 K above the current dew point temperature. A damp proof cause must have been properly installed and intact.

Consumption

ca. 2,0 – 3,5 kg/m²

For further information please refer to the systems MASTERTOP 1325 and MASTERTOP 1325 REG.

Cleaning agent

Re-usable tools must be cleaned carefully with Cleaner 40 or solvent naphta.

Pack size

MASTERTOP BC 325 N is supplied in 30 kg working packs.

Colours

MASTERTOP BC 325 N is available from stock in the following colour: ca. RAL 7016, 7032, 7035 and 9001.

Other standard colours are: ca. RAL 1001, 1013, 1014, 1015, 3009, 3013, 5007, 5014, 5024, 6011, 6021, 7001, 7023, 7030, 7038 and 7040.

For any other colour, please consult your local sales office.

Storage

Store in original drums, under dry conditions and a temperature ranging from 15 - 25 °C. Do not expose to direct sunlight and keep the temperature within the above mentioned range. Under these conditions the material has a shelf life of 6 months. For maximum shelf life under these conditions, see "Best before...." label.

EU-Regulation 2004/42 (Deco-Paint-Guideline)

This product conforms to the EU-directive 2004/42/EG and contains less than the


maximum allowable VOC limit (Stage 2, 2010) According to the EU directive 2004/42, the maximum VOC content for the product category IIA / j type sb is 500 g/l (Limit: Stage 2, 2010). The VOC content for MASTERTOP BC 325 N is < 500 g/l (for the ready to use product).

Warning and precautions

MASTERTOP BC 325 N is physiologically non-hazardous in its cured condition.

The following protective measures should be taken when working with the material: Avoid inhaling the fumes and contact with the skin. Wear safety gloves and goggles. When working with the product, do not eat, smoke or work near a naked flame! For additional references to safety-hazard, warnings, regulations regarding transport and waste management please refer to the relevant Material safety data sheet. The regulations of the local trade association and/or other authorities, regulating safety and hygiene of workers handling polyurethane and isocyanate must be followed.

CE-marking

	
BASF Construction Chemicals Europe AG Industriestrasse 26, CH-8207 Schaffhausen	
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For use in buildings (system build-ups according to the respective technical data sheets)	
Product properties	EN 13813
	SR-B1,5-AR1-IR4-B _{fl}
	Synthetic resin screed/coating
Fire behaviour*	B _{fl}
Release of corrosive substances	SR
Water permeability	NPD
Wear resistance BCA-method**	AR 1
Adhesive tensile strength	B 1,5
Impact resistance	IR 4
Subsonic noise insulation	NPD
Acoustical absorption	NPD
Heat insulation	NPD
Chemical resistance	NPD

* Value determined in the system MASTERTOP 1325 according to EN 13501-1

** Value determined according to BCA-method in the system
 NPD = (no performance determined)

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 As all BASF data sheets are updated on a regular basis, it is the user's responsibility to obtain the most recent issue.

Performance Flooring Europe

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