



The Chemical Company

MASTERTOP[®] BC 375

A self levelling, solvent free, two component, hard polyurethane floor coating

Description

MASTERTOP BC 375 is a solvent free, self levelling, two component floor coating. It cures to give a hard wearing, easy to maintain surface with a tolerance to a wide range of chemicals. Because the material is polyurethane based, it exhibits enhanced crack-bridging and abrasion resistance properties. MASTERTOP[®] BC 375 is supplied ready for use but can be further extended with oven dried silica sand, 0.1 – 0.3 mm, at a ratio of 100 parts by weight MASTERTOP[®] BC 375 to 30 parts by weight sand.

Fields of application

MASTERTOP[®] BC 375 forms the basis of the MASTERTOP[®] 1324 series of flooring systems which find use in applications such as:

- warehouses
- manufacturing and engineering plants
- laboratories
- chemical and pharmaceutical industries
- shops and supermarkets
- aircraft hangars

MASTERTOP[®] BC 375 can also be used as a primer on asphalt substrates under MASTERTOP polyurethane flooring systems in indoor applications and under CONIPUR elastic waterproofing products in both indoor and outdoor waterproofing applications.

Packaging

MASTERTOP[®] BC 375 is supplied in 30kg working packs.

Colours

MASTERTOP BC 375 is available from stock in the following colours:

RAL 1001, 1014, 1015, 6002, 6021, 7001, 7011, 7012, 7016, 7021, 7023, 7030, 7032, 7035, 7038, 7040. Other colours are available. Consult your local sales office.

Features and Benefits

- hard wearing
- crack bridging
- good chemical resistance
- easy to clean and maintain
- easy to apply
- excellent self-levelling properties
- can be applied to asphalt

MASTERTOP[®] BC 375

Technical data

Mixing ratio A : B	Parts by weight		100 : 20
Mixed density		g/cm ³	1.45
Viscosity	@ 23°C	mPas	2200
Working time (30kg unit)	@ 23°C	Min.	30
Recoating interval	@ 23°C	h	Min 16
		d	Max 3
Fully cured	@ 23°C	d	7
Permissible ambient and substrate temperature		°C	Min 5
		°C	Max 30
Max. permissible relative humidity		%	75

Technical data cured material

Shore D Hardness	after 28 days		75
Elongation	DIN 53504	%	10

Application method

MASTERTOP BC 375 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 375 is to be extended with sand, the sand should be added to the mixed components under continuous mixing until uniformly distributed.

MASTERTOP BC 375 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).

Consumption

Minimum *2.5kg/m²

*Total including sand



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Cleaning agent

Re-usable tools must be cleaned carefully with CLEANING SOLVENT NO. 2 or with e.g. isopropanol.

Storage

Store in original containers, under dry conditions and a temperature between 15–25 °C. Do not expose to direct sun-light. For maximum shelf life under these conditions, see "Best before...." label.

EU Regulation 2004/42 (Decopaint Guideline)

This product conforms to the EU directive 2004/42/EG (Deco-Paint directive) and contains less than the maximum allowable VOC Limit (Stage 2, 2010). According to the EU directive 2004/42, the maximum allowable VOC content for the Product Category IIA / j type sb is 500 g/l (Limit: Stage 2, 2010). The VOC content for MASTERTOP BC 375 is < 500 g/l (for the ready to use product).

Warning and precautions

In its cured state, MASTERTOP® BC 325 A is physiologically non-hazardous. The following protective measures should be taken when working with the material:

Wear safety gloves, goggles and protective clothing. Avoid contact with the skin and eyes. In case of eye contact, seek medical attention. Avoid inhalation of the fumes. 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 isocyanates.

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BASF Construction Chemicals (Schweiz) AG Industriestrasse 26 CH-8207 Schaffhausen
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EN 13813 SR-B1,5-AR1-IR4-B_{fl}
Synthetic resin screed/coating for use in buildings (system build-ups according to the respective technical data sheets)
Fire behaviour: B _{fl} Release of corrosive substances: SR Water permeability: NPD Wear resistance: AR1 (BCA-method, determined on smooth coatings) Adhesive tensile strength: B1,5 Impact resistance: IR4 Subsonic noise insulation: NPD Acoustical absorption: NPD Heat insulation: NPD Chemical resistance: NPD

NPD = No Performance Determined

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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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