

MasterTop® BC 361N

2 K PU coating, UV and colour stable, self levelling, pigmented, solvent free, soft and elastic

DESCRIPTION

MasterTop BC 361N is a colour stable, self levelling and solvent free floor coating based on an aliphatic polyurethane. It is hard wearing and has an easy to maintain surface with a tolerance to a wide range of chemicals. Because of its aliphatic nature, **MasterTop BC 361N** is UV and colour stable. It can be used wet in wet to produce multi-coloured decorative floors. It will be coated with a colourless topcoat (for example **MasterTop TC 417 W**) in order to improve the scratch, chemical and mechanical resistance and to remain easy to clean.

TYPICAL APPLICATIONS

MasterTop BC 361N forms the basis of the **MasterTop 1326** decorative floor coating system which find use in applications such as:

- Boutiques and shops
- Schools and kindergarten
- Bars and restaurants
- Reception areas
- Offices
- Hospitals and old people homes
- Balconies

ADVANTAGES

- UV and colour stable
- Elastic, soft
- High degree of walking comfort
- Sound absorbing
- Robust
- Crack bridging
- Easy to apply
- Excellent self-levelling properties

PACKAGING AND COLORS

MasterTop BC 361N is supplied in 13 kg and 26 kg working packs.

MasterTop BC 361N is available in a wide range of RAL colours. For more information, please consult Master Builders Solutions Technical Department.

TYPICAL PROPERTIES*

Characteristics	Result	
Mixing ratio by weight	100 : 30	
Density at 23°C	Part A	1.42 g/cm ³
	Part B	1.13 g/cm ³
	Mixed	1.34 g/cm ³
Viscosity at 23°C	Part A	7000 mPa.s
	Part B	2500 mPa.s
	Mixed	4240 mPa.s
Pot life at 23°C	50 min	
Re-coating interval/ready for traffic at 23°C	min. 12 h max. 2 d	
Fully cured/ready for exposure to chemicals at 23°C	7 d	
Substrate and application temperatures at 23°C	min. 10°C max. 30°C	
Max. permissible relative humidity	75%	

Shore-A-hardness after 7 days	85
Tensile strength DIN 53504	9.3 N/mm ²
Elongation DIN 53504	75%

*For cured material (the following figures are intended as a guide only and should not be used as a basis for specifications).

MasterTop[®] BC 361N

APPLICATION GUIDELINES

MasterTop BC 361N 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. **MasterTop BC 361N** is poured onto the prepared substrate and spread with a notched trowel, or spreader (rubber or steel).

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 16 hours after application (at 15°C). The surface has to be protected from water for at least 16 hours after application at 15°C too.

Substrate pre-treatment

MasterTop BC 361N must be applied to substrates primed with an 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). 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 dampproof course must have been properly installed and intact.

CLEANING

Re-usable tools must be cleaned carefully with a suitable thinner (Xylene / MEK / Acetone).

COVERAGE / YIELD

At least 2.5 kg/m²

For further information please refer to the relevant flooring system build-up.

STORAGE AND SHELF LIFE

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 361N** is < 500 g/l (for the ready to use product).

WARNING AND PRECAUTIONS

MasterTop BC 361N 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.

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CE-marking (EN 13813)

	
Master Builders Solutions Deutschland GmbH Donnerschweer Str. 372, D-26123 Oldenburg	
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236101	
EN 13813: 2002	
EN 13813: SR-B1, 5-AR1-IR4	
Synthetic resin screed for internal uses	
Essential characteristics	Performance
Fire behavior	Cfl-s1
Release of corrosive substances	SR
Water permeability	NPD
Wear resistance	< AR 1
Bond strength	> B 1.5
Impact resistance	> IR 4
Impact sound insulation	NPD
Sound absorption	NPD
Heat insulation	NPD
Chemical resistance	NPD

NPD = No performance determined
 Performance determined in System **MasterTop 1326**

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC Group in many countries.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions 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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Master Builders Solutions
Construction Chemicals LLC
 P.O. Box 37127, Dubai, UAE
 Tel: +971 4 8090800
www.master-builders-solutions.com/en-ae

Disclaimer: the TUV mark relates to certified management system and not to the product mentioned on this datasheet



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