

MASTERTOP TC 467 C-N

2K-PU-top coat, UV-stable and weather resistant, clear, elastic, satin matt, for elastic polyurethane body coats

Material description

MASTERTOP TC 467 C-N is a clear, low viscosity, two component polyurethane top coat which cures to an elastic film with a satin matt finish. MASTERTOP TC 467 C-N contains solvents.

Field of application

MASTERTOP TC 467 C-N is designed for use as a wear resistant top coat in MASTERTOP polyurethane floor coating systems e.g. MASTERTOP 1324, 1325, 1325 REG and 1326.

Features and benefits

- abrasion resistant
- improves wear and scratch resistance
- elastic
- satin matt finish
- UV-and weather resistant
- good adhesion to non-porous substrates
- easy to clean and maintain
- low viscosity
- easy to apply
- clear

Application method

MASTERTOP TC 467 C-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.

MASTERTOP TC 467 C-N is applied by roller. The application should be cross-wise and finishing off with a separate, wide roller. Application should start along the shortest wall of the floor to be coated, working towards the opposite end. Care should be taken to avoid dry edges which will show up as roller marks in the finished state.

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 a further 24 hours (at 15° C).

MASTERTOP TC 467 C-N is not suitable for hard epoxy body coats (e. g. MASTERTOP BC 370).

Technical data*

Mixing ratio		by weight	3 : 1
Solid content		%	64
Density	at 20 °C	g/cm ³	1,17
Viscosity	at 23 °C	mPas	620
Working time (10-kg)	at 23 °C	min	60
Re-coating interval	at 23 °C	h	min. 36
		d	max. 3
Ready for pedestrian traffic	at 23 °C	h	36
Fully cured	at 23 °C	d	7
Permissible ambient and substrate temperature		°C	min. 10
		°C	max. 30
Permissible relative humidity		%	max. 80

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

Substrate pre-treatment

MASTERTOP TC 467 C-N will be applied on elastic MASTERTOP-body coats based on polyurethane.

The coating to which MASTERTOP TC 467 C-N is to be applied must be clean and dry and free from oil, grease and loose material and any other substance which may impair adhesion. Application should take place within the re-coat intervals of the coating to which it is to be applied.

Cleaning agent

Re-usable tools must be carefully cleaned immediately with CONICA Cleaner 40 or with e.g. solvent naphtha.

Packaging

MASTERTOP TC 467 C-N is supplied in 10-kg working packs.

Colours

MASTERTOP TC 467 C-N is a clear top coat.

Consumption

ca. 0,11 – 0,13 kg/m²

Storage

Store in original containers under dry conditions at a temperature between 15 – 25° C. Do not expose to direct sunlight. 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 TC 467 C-N is < 500 g/l (for the ready to use product).


Warning and precautions

In its cured state, MASTERTOP TC 467 C-N 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 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 features	EN 13813
	SR-B1,5-AR0,5- IR4-E _{fl}
	Synthetic resin screed / coating
Fire behaviour*	E _{fl}
Release of corrosive substances	SR
Water permeability	NPD
Water vapour permeability	NPD
Wear resistance** (BCA)	AR0,5
Adhesive tensile strength**	B 1,5
Impact resistance**	IR4
Subsonic noise insulation	NPD
Acoustical absorption	NPD
Heat insulation	NPD
Chemical resistance	NPD

* see approval fire behaviour in system build ups according to EN 13501-1

** Performance determined in systems

NPD = No performance determined

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