

MASTERTOP TC 473

2K-EP top coat, solvent free (total solid), pigmented, for car parking systems and industrial floors with broadcasted surface

Material description

MASTERTOP TC 473 is a solvent free (total solid), low viscosity, lightly elasticised, 2K epoxy top coat. It cures to a tough, hard wearing, glossy finish.

Fields of application

MASTERTOP TC 473 is primarily used as the top coat in certain car park waterproofing systems. It also finds use in certain floor coating systems.

- CONIDECK 2255
- CONIDECK 2262
- CONIDECK 2263
- CONIDECK 2266
- CONIDECK 2264
- CONIDECK 2271
- MASTERTOP 1272
- MASTERTOP 1324-R

Features and benefits

- high wear resistance
- lightly elasticised
- attractive finish
- easy to clean and maintain
- low viscosity
- easy to apply

Application method

MASTERTOP TC 473 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 473 should be spread evenly with a squeegee followed by back rolling

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. Following application the material should be protected from direct contact with water for approx. 16 hours. The temperature of the substrate must be at least 3 K above the dew point both during the application and for at least 16 hours after application (at 15 °C).

Substrate pre-treatment

The coating to which MASTERTOP TC 473 is to be applied must be clean and dry and free from oil, grease and loose

Technical data*

Mixing ratio		by weight	100 : 23
Density	at 23 °C	g/cm ³	1,43
Viscosity	at 23 °C	mPas	1500
Working time (30-kg unit)	at 8 °C	min	60
	at 23 °C	min	35
	at 30 °C	min	20
Re-coating interval	at 8 °C	h	min. 24
		d	max. 3
	at 23 °C	h	min. 8
		d	max. 3
	at 30 °C	h	min. 3
d	max. 2		
Fully cured	at 8 °C	d	7
	at 23 °C	d	5
	at 30 °C	d	3
Substrate and ambient temperatures		°C	min. 8
		°C	max. 40
Permissible relative humidity	at 15 °C	%	max. 75
	at >23°C	%	max. 85

Technical data cured material*

Shore-D-hardness	after 14 days		72
Taber abrasion resistance	after 7 days	mg	55

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

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 cleaned carefully with CONICA Cleaner 44 or with e.g. iso-propanol.

Packaging

MASTERTOP TC 473 is supplied in 30 kg working packs.

Consumption

ca. 0,5 - 0,8 kg/m²
(refer to system build up)

Colours

MASTERTOP TC 473 is available in following standard colours: ca. RAL 1001, 1015, 6021, 7001, 7016, 7023, 7030, 7032, 7035, 7040. For other colours please consult your local sales office.

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 is 500 g/l (Limit: Stage 2, 2010). The VOC content for MASTERTOP TC 473 is < 500 g/l (for the ready to use product).

Warning and precautions

In its cured state, MASTERTOP TC 473 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 epoxy resins must be followed.


CE-marking (EN 1504-2)

MASTERTOP TC 473 has been tested in the following systems:

CONIDECK 2255
CONIDECK 2260
CONIDECK 2262
CONIDECK 2263
CONIDECK 2264
CONIDECK 2265
CONIDECK 2266
CONIDECK 2271

For details see system build up sheets.

CE-marking

	
BASF Construction Chemicals Europe AG Industriestrasse 26, CH-8207 Schaffhausen	
07	
For use indoor and outdoor (system build ups according to the respective technical data sheet)	
Product features	EN 13813
	SR-B1.5-AR1-IR4- E _{fl}
	Synthetic resin coating
Fire behaviour*	E _{fl}
Release of corrosive substances	SR
Water permeability	NPD
Water vapor permeability	NPD
Abrasion resistance** BCA	AR1
Adhesive tensile strenght	B 1,5
Impact resistance**	IR4
Subsonic noise insulation	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

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control. As all BASF data sheets are updated on a regular basis. It is the user's responsibility to obtain the most recent issue.