

CONIPUR TC 481

Rapid curing trafficable top coat

DESCRIPTION

CONIPUR TC 481 is a two component, rapid curing, UV resistant, elastic coating for manual application. It cures to an attractive, hard wearing, easy to clean and maintain finish.

RECOMMENDED FOR

CONIPUR TC 481 is primarily intended as the top coat in car park deck applications where its rapid cure and excellent wear properties can be exploited.

FEATURES AND BENEFITS

- Rapid cure
- Short "ready for traffic" times- 4 hours @ 15°C
- Excellent mechanical properties
- Hard wearing
- Elastic
- Crack bridging
- Excellent UV and weather resistance
- Attractive appearance
- Low dirt retention
- Easy to clean and maintain

TECHNICAL DATA

Mixing ratio A:B	by weight		100 : 67
Density Part A	at 23°C	g/mm ²	1.74
Part B			1.07
Viscosity Part A	at 23°C	mPas	4650
Part B			200
Mixed			700
Pot-life	at 23°C	min	25
Permissible ambient and substrate temperature		°C	min. 5
		°C	max. 40
Permissible relative humidity		%	max. 85
VOC content: g/L 96 (HK prod code P10-16)			

Technical data cured material

Tensile strength	DIN 53504	N/mm ²	20
Elongation	DIN 53504	%	180
Tear strength	DIN 53515	N/mm	70

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

COLOURS

- Standard colours available
- Special colours to order

SUBSTRATE PRE-TREATMENT

The coating to which **CONIPUR TC 481** is applied should be clean and dry and free of any substances which may impair adhesion. Application should take place within the re-coat intervals of the coating to which it is to be applied. If being applied on a polyurethane membrane without broadcast aggregate and application occurs after the re-coating interval, membrane should be reactivated using **MASTERTOP P679**.

ESTIMATING DATA

The consumption of **CONIPUR TC 481** is approx. 0.4 – 0.6 kg/m² depending on the size and distribution of the aggregate used in the wear coat.

APPLICATION

CONIPUR TC 481 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 (approximately. 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.

CONIPUR TC 481 is poured onto the prepared substrate and spread with a notched trowel, or spreader and back rolled using a medium nap lambs wool 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 are shortened accordingly. To fully cure, the material, substrate and application temperature should not fall below the minimum during application and for at least 2 hours after application. Following application the material should be protected from direct contact with water for approx. 2 hours. The temperature of the substrate must be at least 3 K above the dew point both during the application and for at least 2 hours after application (at 15° C).

For more information please see application details in Conideck system datasheets.



The Chemical Company

CONIPUR TC 481

CLEANING

Re-usable tools must be cleaned carefully with **Cleaner 40**

SHELF LIFE

Store in original packs under dry conditions and a temperature between 15–25 °C. Do not expose to direct sunlight. Under those conditions **CONIPUR TC 481** has a shelf life of 12 months.

PACKAGING

CONIPUR TC 481 is supplied in 28 kg working packs.

PRECAUTIONS

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 **CONIPUR TC 481** is < 500 g/l (for the ready to use product).

Warning and precautions

In its cured state, **CONIPUR TC 481** 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 the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.

ACpurTC481/8/1011

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** 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

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

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