

CONIPUR WC 880

Fast curing wear coat for use in traffic deck waterproofing systems

DESCRIPTION

CONIPUR WC 880 is a fast curing wear coat for use in traffic deck waterproofing systems. It is a solvent free, two-component polyurethane and is slightly thixotropic so that it can be applied to ramps without the on-site addition of a thixotrope as well as to horizontal surfaces. It has a low consumption for economic use and exhibits an excellent bond to the waterproofing membrane. **CONIPUR WC 880** is slightly elastic so that it can accommodate some movement of the deck. It has a tenacious hold onto the broadcast aggregate providing a hard wearing, skid resistant surface.

RECOMMENDED FOR

CONIPUR WC 880 is primarily intended for use in the fast track carpark deck waterproofing system **CONIDECK 2203**. It is applied directly to the waterproofing, elastomeric membrane of this system and broadcast with aggregate e.g. oven dried silica sand. The fast cure of **CONIPUR WC 880** enables the fast curing top coat, **CONIPUR TC 481**, to be applied after a short waiting time.

FEATURES AND BENEFITS

- **Fast cure**
- **Excellent bond to waterproofing membrane**
- **Tenacious hold to broadcast aggregate**
- **Slightly thixotropic for application to ramps**
- **Withstands loads imposed by traffic**
- **Resistant to fuels, battery acid and hydraulic oils**
- **Low consumption**

TECHNICAL DATA

Mixing ratio	by weight		100 : 46
Mixed density	at 23°C	g/mm ²	1.08
Mixed viscosity	at 23°C/50s ⁻¹	mPas	1400
Working time	at 23°C	min	24
Top Coat & Re-Coat application (with broadcast sand in Conipur WC 880)	at 10°C	hr	min 5 max unlimited
	at 20°C	hr	min 3 max unlimited
	at 30°C	hr	min 1.5 max unlimited
Permissible ambient and substrate temperature		°C	min. 5
		°C	max. 40
Maximum permissible relative humidity		%	80
VOC Content – 2 g/L			

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

Technical data cured material

Shore D Hardness			65
Tensile strength	DIN 53504	N/mm ²	16.0
Elongation	DIN 53504	%	50

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SUBSTRATE PRE-TREATMENT

The coating to which **CONIPUR WC 880** is to be applied should be clean and dry. Application should take place within the re-coating intervals of the surface to which it is to be applied. Best results are obtained when application occurs as close to the 'minimum' re-coat interval as possible.

If application occurs after the re-coating interval, membrane should be reactivated using **MASTERTOP P679**.

ESTIMATING DATA

The consumption of **CONIPUR WC 880** is 0.4-0.6kg/m².

The above consumption figures are intended as a guide only and may be higher on very rough or porous substrates.

APPLICATION

CONIPUR WC 880 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. **Conipur WC 880** should be spread with a squeegee and finished by 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 approximately 3 hours. The temperature of the substrate must be at least 3°C above the dew point both during the application and for at least 3 hours after application (15°C).



The Chemical Company

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

CLEANING

Re-usable tools should be cleaned carefully with **Cleaner 40**.

PACKAGING

CONIPUR WC 880 is supplied in 10kg working packs.
Part A = 6.85kg
Part B = 3.15kg

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 WC 880** has a shelf life of 12 months.

PRECAUTIONS

EU Regulation 2004/42 (Decopaint Guidline)

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 WC 880 is < 500 g/l (for the ready to use product).

In its cured state, **CONIPUR WC 880** 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 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 **Material Safety Data Sheet (MSDS)** from our office or our website.

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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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