

CONIPUR[®] WC 881

A wear coat for use in car park deck waterproofing systems

DESCRIPTION

CONIPUR WC 881 is a wear coat for use in car park deck waterproofing systems. It is a solvent free, 2-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 881** 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 881 is primarily intended for use as the wear coat in the car park deck waterproofing system CONIDECK 2203. It can also be used in other systems where its low consumption and ease of application together with its excellent mechanical properties can be used to advantage.

FEATURES AND BENEFITS

- 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

PERFORMANCE DATA

Mixing ratio	by weight		100 : 46
Mixed density	at 23° C	g/mm ²	1.08
Mixed viscosity	at 23° C / 50 s ⁻¹	mPas	1400
Working time	at 23° C	min	30
Substrate and ambient temperatures		° C ° C	min. 5 max. 40
Relative humidity		%	max. 80
Technical Data cured material			
Shore D hardness			65
Tensile strength	DIN 53504	N/mm ²	16.0
Elongation	DIN 53504	%	50

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

APPLICATION

CONIPUR WC 881 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 881** 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 approx. 16 hours. The temperature of the substrate must be at least 3°C 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 **CONIPUR WC 881** 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.

Important

CONIPUR WC 881 is unsuitable for use as a tie coat to cementitious overlays.

CONSUMPTION

The consumption of **CONIPUR WC 881** is 0.5–0.9 kg/m². The figures will give a final wear coat thickness of approximately 1-1.5 mm after sand broadcast. In some countries the minimum thickness of the wear coat is defined. In these cases the consumption can be higher than the values quoted above.

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

CLEANING

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

PACKAGING

CONIPUR WC 881 is supplied in 24 kg working packs.

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.



The Chemical Company

CONIPUR[®] WC 881

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 WC 881** is < 500 g/l (for the ready to use product).

In its cured state, **CONIPUR WC 881** 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.

S/CpurWC 881/3/0711

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF Construction Chemicals** 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. **BASF Construction Chemicals data sheets are updated on a regular basis and it is the user's responsibility to obtain the most recent issue.**

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 Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.

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