

CONIPUR TC459

UV and weather resistant protective top sealer for use on exposed areas

DESCRIPTION

CONIPUR TC459 is a pigmented, single component, moisture curing, UV and weather resistant, protective top sealer. It is based on high quality aliphatic polyurethane prepolymers. **CONIPUR TC459** contains solvents.

The product conforms to the EU directive 2004/42/EG (Deco-paint directive) and contains less than the maximum allowable VOC limit (Stage 1, 2007). According to the EU directive 2004/42, the maximum allowable VOC content for the Product (Category IIA/1 is 600g/l (Limit: Stage 1, 2007). The VOC content for **CONIPUR TC459** is < 600 g/l (for the ready to use product).

RECOMMENDED FOR

CONIPUR TC459 is used as a UV and weather resistant protective top sealer on exposed, elastic polyurethane coatings e.g. **CONIPUR M800, M802 FL, M803FL, M810, M864FL and M865 Z.**

FEATURES AND BENEFITS

- Excellent UV and weather resistance
- Highly elastic
- Superior adhesion even when permanently exposed to water
- Single component – no mixing
- Easy to apply

PERFORMANCE DATA

Re-coating interval/ Ready for traffic	at 23°C / 50% r.h.	h d	min. 12 max. 3
Fully cured	at 23°C / 50% r.h.	d	5
Permissible ambient and substrate temperature		°C	min. 5
Permissible relative humidity		%	min. 40 max. 90

Above figures are guide values and should not be used as a base for specifications.

PROPERTIES

Density : 1.2 g/cm ³	
Solids content (By vol.) : 58 %	
Colours :	Available in a range of standard colours. Please consult BASF Construction Chemicals representative.

APPLICATION

Surface Preparation

Substrates to be coated have to be firm, dry and load-bearing, free of loose and brittle particles and substances which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants.

Pre-treatment of the substrate by grit or shot blasting, high-pressure water jetting, grinding or scarifying (including the necessary post treating) is only necessary when the primer or a scratch primer is very dirty or, where sand broadcasting has been omitted, when the re-coating interval has been exceeded.

After pre-treatment of the substrate, the bond strength of the substrate must be at least 1 MPa (check with an approved pull-off tester ie "Herion", load rate 100N/s).

The temperature of the substrate must be at least 3°C above the current dew point temperature

Applicaton

CONIPUR TC459 is a single component material. Prior to application, the temperature of the material should be in the range of 15 – 25°C. Some settling of the pigments may occur on standing. **CONIPUR TC459** should, therefore, be well stirred before use. Pour the amount required from the original container into an application container and apply evenly by roller, brush or by spraying to the prepared substrate.

It is important to apply **CONIPUR TC459** thinly and to avoid ponding. Apply uniformly and finish by back rolling. The curing time of the material is influenced by the humidity and the ambient and substrate temperatures. At low humidity and low temperatures, the chemical reaction is slowed down. This lengthens curing time and the re-coating intervals. At high humidity and high temperatures, the chemical reaction is accelerated thus the time frames mentioned above are shortened accordingly. Following application, the material should be protected from direct contact with water for approximately 8 hours.

ESTIMATING DATA

The consumption of **CONIPUR TC459** is 0.15 – 0.2 kg/m² depending on the condition and porosity of the substrate.

The consumptions are intended as a guide only. It may be higher on very rough or porous substrates.

CLEANING

Re-usable tools must be cleaned carefully with Conipur Cleaner 40.

PACKAGING

CONIPUR TC459 is supplied in 12.5kg working packs.



The Chemical Company

CONIPUR TC459

SHELF LIFE

Store in original packs, under dry conditions and a temperature ranging from 15-25C. Do not expose to direct sunlight.

Under these conditions, the material has a shelf life of 6 months.

PRECAUTIONS

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.

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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.

BASF Construction Chemicals offices in ASEAN

Singapore	Malaysia	Indonesia	Thailand	Vietnam	Philippines
Tel: +65-6861-6766	Tel: +60-3-5628-3888	Tel: +62-21-526-2481	Tel: +66-2-664-9222	Tel: +84-650-374-3100	Tel: +63-2-889-4321
Fax: +65-6861-3186	Fax: +60-3-5628-3776	Fax: +62-21-526-2541	Fax: +66-2-664-9267	Fax: +84-650-374-3200	Fax: +63-2-889-4361

Website: www.ap.cc.basf.com
