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MasterSeal® TC 259 (Formerly known as CONIPUR® TC 459)

Polyurethane Based, Single Component, Protective Top Coat

DESCRIPTION OF PRODUCT

MasterSeal® TC 259 is a single component, solvent containing, moisture cured, UV resistant, polyurethane based top coating.

FIELDS OF APPLICATION

It is used as top coat polyurethane UV coating for **MasterSeal® Roof** insulation systems.

FEATURES AND BENEFITS

- Single component, easy to apply.
- Elastic.
- Excellent adhesion even when exposed to water.
- Resistant to UV and air conditions.
- Has a higher aliphatic polyurethane pre-polymer structure.

APPLICATION PROCEDURE

Preparation of Substrate

The surface of the coating on which **MasterSeal® TC 259** is to be applied should be free of dust, dirt, oil and other adhesion impairing contaminants. The application should be carried out within the recoating interval of the coating. Contact our Technical Services for the application on old coating.


APPLICATION METHOD

MasterSeal® TC 259 has single component. Prior to use, the product is mixed with an epoxy/polyurethane paddled drill at 300-400 rpm for 3-4 minutes without causing air bubbles.

Make sure that the temperature of the material is between +15°C--+25°C prior to mixing.

MasterSeal® TC 259 should be applied to the surface using a squeegee (wiper) or a

TECHNICAL DATA

Material Structure	Polyurethane	<div>LX</div> 
Colour	Various Ral Colours	
Solid Content	58%	
Mixed Density	1.2 kg/liters	
Viscosity (4 mm DIN cup)	75 mPa.s	
Substrate Temperature	+5°C +30°C	
Pot Life	1 hour	
Recoating Interval	min. 12 hours max. 3 days	
Fully Cured	5 days	

The above figures are valid for 23°C and intended as a guide only and should not be used as a basis for specifications.



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roller. For applications with rollers, the surface should be well raked to minimise streaks. Thick application may cause foaming.

COVERAGE

0.15-0.20 kg/m²

WATCH POINTS

- Avoid application under excessive heat or wind and/or when the ambient and/or substrate temperature is below +10°C or above +30°C.
- The materials to be used at the appropriate temperatures should be brought and stored in the application area 1-2 days prior to the application and enabled to adjust the ambient conditions.
- In extremely cold conditions, heaters should be used to increase the ambient and the workability of the product, the packages should be preconditioned to +20°C - +25°C to become ready to use.
- Epoxy and polyurethane based floor coatings should be applied by specialists.
- The reaction and workability times of resin based systems depend on the ambient and substrate temperatures as well as the relative humidity. Under lower temperatures, the chemical reaction times are prolonged and this increases the pot life, coating interval and the working time. In addition to this, the consumption is increased as the viscosity increases. High temperatures ignite stronger chemical reactions and the above mentioned times decrease accordingly. For the material to be cured properly, the ambient and the substrate temperatures should not fall below

the specified limits. After the application, the material should be protected from direct contact with water for 24 hours minimum. Within this period, a contact with water may cause a surface carbonation and/or tackiness; both of which will cause the coating to lose its characteristics. In such cases, the overall coating should be removed from the floor and renewed.

- Permissible relative humidity is 80% max. during application.
- **MasterSeal® TC 259** is supplied as ready-to use kits. No solvent etc should be added during application.
- The empty packs should be consolidated and disposed properly in order to prevent reusing of the packages.

CLEANING OF TOOLS

Used tools and equipment must be cleaned carefully with an appropriate solvent. Once cured **MasterSeal® TC 259** can only be removed by mechanical means.

PACKAGING

12.5 kg drum

STORAGE

The product should be stored in its original package, in a cool and dry place protected from frost. For short term storage, maximum 3 palletes should be placed on top of each other and the shipment should be made on a 'first come, first go' basis. Palletes should not be placed on top of each other during long term storage.



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SHELF LIFE

The shelf life is 12 months from the date of production under suitable storage conditions. Opened packages should be stored under suitable storage conditions and used within 1 week.

HEALTH AND SAFETY PRECAUTIONS

It is dangerous to approach the application sites with fire. Fresh air should be circulated in the storage and the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Precautions Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children. For detailed information please consult the Material Safety Data Sheet.

DISCLAIMER

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **BASF Türk Kimya Sanayi ve Tic. Ltd. Şti.** is only responsible for the quality of the product. **BASF Türk Kimya Sanayi ve Tic. Ltd. Şti.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

Contact Information

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BASF Construction Chemicals Europe AG Industriestrasse 26, CH-8207 Schaffhausen	
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EN 13813 SR – B1,5 – AR1 – IR4 – EII	
Synthetic resin screed/coating	
Fire Behaviour	EI
Release of Corrosive Substances	SR
Wear Resistance BCA	AR1
Impact Resistance	IR4 Nm
Adhesive Tensile Strength	B1,5