BASF
The Chemical Company

MasterSeal® TC 258 (formerly known as Conipur TC 458)

UV and weather resistant top coat

DESCRIPTION

MasterSeal TC 258 is a low solvent, pigmented, single component, moisture curing, UV and weather resistant, protective top coat. It is based on high quality aliphatic polyurethane prepolymers. Unlike conventional moisture curing polyurethane coatings, **MasterSeal TC 258** can be applied at high thicknesses without foaming. **MasterSeal TC 258** is fire retardant.

RECOMMENDED USES

MasterSeal TC 258 has a number of applications including the top coat in some **MasterSeal Traffic** car park deck coating systems, **MasterSeal Roof** slip resistant top coats for roofing applications and in balcony waterproofing.

FEATURES AND BENEFITS

- **Suitable for exposed applications-** Excellent UV and weather resistance
- **Fast Curing -**Ready for traffic in 48 hours
- **Crack bridging -** Highly elastic
- **Suitable for vehicle traffic -** Excellent abrasion resistance
- **Fire retardant –** will not support fire
- **Single component –** no mixing
- **Easy to apply –** only rollers required

PROPERTIES

Density		g/cm^3	1.3
Solid content		%	60
Viscosity	at 23ºC	mPas	1000
Re-coating interval	at 10ºC at 20ºC at 30ºC	hour day hour day hour day	min. 8 max.3 min. 5 max. 2 min. 4 max.1.5
Full cure	at 23ºC /50% RH	day	5
Permissible ambient and substrate temperature		ºC	min. 5 max.30
Permissible relative humidity		% %	min. 40 max. 90

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

Technical data cured material

Tensile strength	DIN 53504	N/mm^2	4.5
Elongation	DIN 53504	%	200
Fire resistance	DIN 4102 PT1	Class B2	

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APPLICATION

Substrate pre-treatment

The coating to which **MasterSeal TC 258** is applied should be clean and dry and free from oil and grease and any other 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 P 691.**

MasterSeal TC 258 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. **MasterSeal TC 258** should, therefore, be well stirred before use. **MasterSeal TC 258** should be spread evenly with a squeegee followed 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 the 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.

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Following application the material should be protected from direct contact with water for approx. 5 hours. The temperature of the substrate must be at least 3ºC above the dew point both during the application and for at least 5 hours after the application (at 15 °C).

ESTIMATING DATA

MasterSeal TC 258 is normally applied at 0.4 – 0.8 kg/m^2.

PACKAGING

MasterSeal TC 258 is supplied in 24kg pails.

SHELF LIFE

MasterSeal TC 258 has a shelf life of 12 months. Store out of direct sunlight, clear of the ground on pallets protected from rainfall.

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 Material Safety Data Sheet (MSDS) from our office or our website.

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