

# MasterSeal<sup>®</sup> TC 465

UV and weather resistant coating

## DESCRIPTION

**MasterSeal TC 465** is a pigmented, single component, moisture curing, UV and weather resistant, protective top coat. It is based on high quality aliphatic polyurethane pre-polymers.

## RECOMMENDED USES

**MasterSeal TC 465** has a number of applications including the top coat in the MasterSeal Traffic Systems, slip resistant top coats for roofing applications and in balcony waterproofing.

## FEATURES AND BENEFITS

- Excellent UV and weather resistance – suitable for exposed conditions
- High gloss - easy to clean
- Fast curing - ready for foot traffic in 24 hours
- Highly elastic – will move with the structure
- Excellent abrasion resistance – suitable for high traffic movements
- Single component – simple to use
- Roller applied – no special equipment

## PROPERTIES

Density (kg/l)	1.05
Solid content (%)	80
Re-coating interval (hours)	Min 12 Max 24
Full cure 23 °C 50% RH (days)	3
Permissible ambient and substrate temperature (°C)	min. 5 max. 30
Permissible relative humidity (%)	min. 20 max. 90
Gloss level	High
Colour	Grey

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

## Technical data cured material

Tensile strength (MPa)	13
Elongation (%)	160
Shore A	87

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## APPLICATION

### Substrate pre-treatment

The coating to which **MasterSeal TC 465** 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 substrate without broadcast aggregate and application occurs after the re-coating interval, substrate should be reactivated using **MasterTop P691**.

**MasterSeal TC 465** 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 465** should, therefore, be well stirred before use. **MasterSeal TC 465** should be spread evenly with a squeegee followed by back rolling, brush or roller depending upon substrate and desired finish.

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

## ESTIMATING DATA

**MasterSeal TC 465** is normally applied at 150 to 250 microns (0.15 – 0.25 mm WFT), equivalent to 4.0 to 6.66 m<sup>2</sup>/lt. Each pail will therefore cover between 75m<sup>2</sup> to 125m<sup>2</sup> depending upon surface profile and desired film thickness. For MasterSeal Traffic Systems, coverage of 250 microns per coat is recommended.



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## CLEANING

Re-usable tools must be cleaned carefully with MasterSeal 955 (formerly SS Thinner), do not use reclaimed thinners, MEK or MEK blended solvents.

## PACKAGING

MasterSeal TC 465 is available in 20kg (19 litre) pails.

## STORAGE

Store in original pack under dry conditions and a temperature ranging from 5-30°C. Do not expose to direct sunlight.

MasterSeal TC 465 has a shelf life of 9 months in its original packing.

## 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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