

# MasterTop<sup>®</sup> TC 468

Polyurethane based, UV resistant, pigmented, elastic, matt, two-component finish floor coating

## DESCRIPTION

**MasterTop TC 468** is a polyurethane based, two-component, or solvent based, pigmented, UV resistant, matt surface protection material with high abrasion and chemical resistance.

## TYPICAL APPLICATIONS

**MasterTop TC 468** is used as the top coat for **MasterTop** flooring systems.

## ADVANTAGES

- Abrasion resistant
- High chemical resistance
- Easy to apply
- Elastic
- Matt appearance
- UV and weather resistant
- Excellent adherence to non-absorbent surfaces
- Low viscosity
- Odorless

## PACKAGING AND COLORS

**MasterTop TC 468** is supplied in 21.45kg.

**MasterTop TC 468** is available in Standard colours:

Window Grey, Light Grey, Basalt Grey and Dusty Grey.

Other colours available upon request.

For further details please contact Master Builders Solutions Technical Department.

## TYPICAL PROPERTIES\*

Ratio by weight	15.5 : 5.95
Mixed density	Approx. 1.20 g/cm <sup>3</sup>
Touch dry	After approx. 4 h
Curing, to foot traffic	After 24 h Bearing loads after approx. 7 days
Pot life at 20°C	Approx. 2 h
Pot life at 40°C	Approx. ½ h

## APPLICATION GUIDELINES

**MasterTop TC 468** is supplied in working packs, which are pre-packaged in the exact ratio. Before mixing, precondition both Part A and Part B to a temperature of approximately 15 to 25°C.

Do not dilute the topcoat with water or solvent. Do not exceed the maximum consumption.

DO NOT MIX BY HAND.

Mix with a mechanical mixer at low speed (300 rpm) for at least 3 minutes. The material on the edges should be peeled off and make sure that it mixes well with the material at the bottom of the mixing bowl. Keep the tip of the agitator inside the casing to prevent air bubbles. DO NOT WORK WITH A CONTAINER OTHER THAN THE ORIGINAL MATERIAL CONTAINER. After preparing the mixture with a homogeneous consistency consisting of Part A and Part B components, it is taken into a clean container and mixed again for 1 minute. While applying **MasterTop TC 468**, ambient temperature and its ratio are important. High humidity (especially when combined with low temperature) slows the drying time. The surface should not be in direct contact with water for at least 24 hours after the application (23°C / 50%).

Note: Due to the easy cleaning feature of **MasterTop TC 468**, there is no need for first maintenance. Glossy surface structure may occur with polished cleaning. Matt / satin-matt cleaning care is suitable to maintain its visual properties.

For detailed application method please contact the Master Builders Solutions Technical Services Department.

# MasterTop® TC 468

## SURFACE PREPARATION

The coating to which **MasterTop TC 468** is applied should be clean and dry. Application should take place within the recoat intervals of the coating to which it is to be applied.

Do not apply when the relative humidity exceeds 65% or when the ambient / substrate temperature is within 3°C of the dew point.

## CLEANING

Re-usable tools should be carefully cleaned immediately after use with water. Once the material has cured mechanical cleaning is required which is made easier by immersion of the tools in a suitable thinner (Xylene / MEK / Acetone).

## COVERAGE / YIELD

Approx. 0.10-0.15 kg / m<sup>2</sup> / coat. More than one coat may be necessary depending upon based colour, etc.

## STORAGE AND SHELF LIFE

The unopened product should be stored in its original package, in a cool and dry environment. It should not be exposed to direct sunlight and protected from frost.

The shelf life is 12 months when stored as above.

## HEALTH AND SAFETY

In its cured state, **MasterTop TC 468** 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 additional references to safety-hazard warnings, regulations regarding transport and waste management, please refer to the relevant Material Safety Data Sheet. The regulations of the local trade association and/or other authorities, regulating safety and hygiene of workers handling polyurethane and isocyanides must be followed.

## QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

\* Properties listed are based on laboratory controlled tests.

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## STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions 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.

## NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

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