

# MASTERTOP<sup>®</sup> 564

Polymer Modified Cementitious based floor screed

## DESCRIPTION

**MASTERTOP 564** is a single component, non structural, and pre-blended cementitious mortar screed compound.

**MASTERTOP 564** is mixed with a specified quantity of water to make an easily workable mortar to give a levelled surface ready for subsequent topping such as MASTERTOP 1200 series or UCRETE.

**MASTERTOP 564** can be applied from 10 to 40 mm thick

## RECOMMENDED FOR

**MASTERTOP 564** is recommended for use as floor leveller on uneven horizontal surface before laying top coating such as MASTERTOP 1200 series or UCRETE. Please refer to **BASF Construction Chemicals** representative for application with other toppings.

## FEATURES AND BENEFITS

<b>Polymer Modified</b>	Improved flexural and bond strengths
<b>Workability</b>	Easy to place to get level surface for laying Ucrete and Mastertop flooring products to give excellent finishing.
<b>Shrinkage compensated</b>	Provides repair integrity
<b>Pre-packed, pre-formulated</b>	Ready to use. No batching errors

## TYPICAL PERFORMANCE DATA

Flexural strength, N/mm <sup>2</sup> (ASTM C.293-79)	> 3.0
Tension adhesion to concrete, N/mm <sup>2</sup> (ASTM C.307-94)	> 1.0
Compressive strength, N/mm <sup>2</sup> (ASTM C109:1992)	3 days > 25 28days > 50
Flow ability, cm (ASTM C230, @ 25 strokes)	: 18-24

## PROPERTIES

Supply form	: Powder
Colour	: Grey
Cure time (foot traffic)	: >8 hours at 20°C
Minimum application temperature	: > 5°C

## APPLICATION

### Surface preparation

Surfaces should be structurally sound, clean, and free from contaminants. Remove oil, grease and wax contaminants by wet grit blasting or high pressure water jetting followed by mechanical cleaning.

Remove all dust and loose particles using oil-free compressed air or industrial type vacuum cleaner.

### Priming

Prime with **BASF Construction Chemicals** range of primers. Please contact **BASF Construction Chemicals** representative for recommendation.

### Mixing

**MASTERTOP 564** should be mixed with clean water at recommended water dosage of approximately 3.25L to 3.4L per 25kg/bag using mechanical mixing for 2-3 minutes until lump free.

Note: **MASTERTOP 564** should be used immediately after mixing.

### Placing

Areas to be placed with **MASTERTOP 564** should be protected from wind and direct sunlight to avoid rapid drying.

Place by pouring and spread by trowel, for large areas the usage of formwork and mortar screeder is recommended.

## CURING

Protect **MASTERTOP 564** effectively for at least 9–10 hours after laying from drying out by direct sunlight and wind, spillage, dust, insects, animals, following trades, traffic, etc.

## CLEANING

Wash tools and equipment immediately after use with water. Hardened **MASTERTOP 564** can only be removed mechanically.

## ESTIMATING DATA

The consumption depends, on the floor profile. On a normal flat surface, typical consumption of **MASTERTOP 564** powder is 22-23 kg/m<sup>2</sup> per 10 mm thickness.

## PACKAGING

**MASTERTOP 564** is supplied in 25 kg, multi-ply paper sacks with polythene liner.

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The Chemical Company

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## SHELF LIFE

**MASTERTOP 564** can be stored in unopened original packing for 12 months, if kept dry and at even temperature.

## PRECAUTIONS

Health: Some people may sensitive to alkalis in cement. Wear gloves and mask while handling the product. Take all precautions normally taken when handling cement.

For Health, Safety and Environmental Recommendations, please consult and follow all instruction on the product Material Safety Data Sheet.

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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.

## NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF Construction Chemicals** 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.

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