

MasterTop[®] 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 USES

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 Master Builders Solutions representative for application with other toppings.

FEATURES AND BENEFITS

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

PROPERTIES

Flexural strength, (ASTM C.293-79)	> 3.0 MPa
Tension adhesion to concrete, (ASTM C.307-94)	> 1.0 MPa
Compressive strength, (ASTM C109:1992) 3 Days	> 25 MPa
28 Days	> 50 MPa
Flowability, (ASTM C230, @ 25 strokes)	18-24 cm
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 Master Builders Solutions range of primers. Please contact Master Builders Solutions 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.

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.

ESTIMATING DATA

The consumption depends, on the floor profile. On a normal flat surface, typical consumption of **MasterTop 564** powder is 22-23 kg/m² per 10 mm thickness.

PACKAGING

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

SHELF LIFE

MasterTop 564 has a shelf life of 12 months. Store out of direct sunlight, clear of the ground on pallets protected from rainfall.

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

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MAP#MasterTop 564 v2-12.2020

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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