



The Chemical Company

MASTERTOP[®] 566

Self smoothing cementitious based floor leveller

DESCRIPTION

MASTERTOP 566 is a single component, non structural, self-smoothing and pre-blended cementitious floor compound. **MASTERTOP 566** is mixed with a specified quantity of water to give a level surface ready for subsequent topping or as an exposed leveled surface. **MASTERTOP 566** can be applied from 2 to 30 mm thick.

FIELDS OF APPLICATION

MASTERTOP 566 is recommended for use indoor and light traffic areas. It provides a smooth and level base for laying floor covering such as PVC, vinyl, carpets, and laminated floors. It is particularly suitable for use in hospitals and food preparation or storage areas.

MASTERTOP 566 is compatible to be used as base to receive subsequent topping such as MASTERTOP flooring products. Please refer to BASF Construction Chemicals representative for detailed information.

FEATURES AND BENEFITS

Pumpable	High application rate. Saves time and labour.
Self smoothing	Avoid expensive mechanical leveling and smoothing operations.
Rapid hardening	Allows foot traffic after 2 to 3 hours depending on temperature and humidity.
Smooth finish	Level surface for laying Mastertop flooring products to give excellent finishing especially for high gloss finish.

TYPICAL PERFORMANCE DATA

28 days cure @26±2°C, water content of 19%, 10mm layer

Flexural strength, N/mm ² (ASTM C348:95)	: >7
Compressive strength, N/mm ² (ASTM C349:95)	: 30
Tensile adhesion to concrete, N/mm ² (BS 8204:Pt3 :99)	: >1.0
Flowability, sec (ASTM C939:97) (ASTM D4060, BS 812)	: 77
Abrasion resistance, mm (BS 8204:Pt2:99)	
28 days	: 0.14
7 days air cured + 14 days aging @70°C	: 0.19
Slip resistance value (wet), (BS8204 : Pt2 : 99)	: 51
Slip resistance value (wet),	: 44

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(7 days air cured + 14 days aging @70°C)

Water absorption, % (ASTM C413:94) : 6.5

PROPERTIES

Supply form	: Powder
Colour	: Grey
Cure time (foot traffic)	: 1 to 2 hours

APPLICATION

Surface preparation

Surfaces should be structurally sound, clean, and free from contaminants. Remove oil, grease and wax contaminants by scrubbing with industrial grade detergent or degreasing compounds followed by mechanical cleaning.

Repair defective floor areas such as honeycombs, potholes etc., with a repair mortar such as one from the EMACO range of repairs mortar manufactured by BASF Construction Chemicals (contact a local BASF Construction Chemicals representative for details). Remove all dust and loose particles using oil-free compressed air or industrial type vacuum cleaner. Allow surface to dry completely.

Priming

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

Mixing

MASTERTOP 566 should be mixed with clean water at recommended water dosage of approximately 4.7L to 5.2L per 25kg/bag using mechanical mixing for 2-3 minutes until lump free.

Note: MASTERTOP 566 should be used immediately after mixing.

Placing

Areas to be placed with **MASTERTOP 566** should be protected from wind and direct sunlight to avoid rapid drying.

Place by pouring, on large areas, through discharge hose, that moves at constant pace across the surface to provide uniform thickness. Depending on the pumping capacity of the equipment and thickness of the layer to be applied, the width of the bay should not exceed 12m.

Falls could be created by pouring or pumping the material from higher to the lower end onto the prepared floor.

Spread lightly using a serrated steel spatula to dissipate surface bubbles and lines left by the hose.



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CURING

Protect **MASTERTOP 566** effectively for at least 2 – 3 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 566** can only be removed mechanically.

ESTIMATING DATA

The consumption depends, on the floor profile. On a normal flat surface, typical consumption of **MASTERTOP 566** powder is 1.7 kg/m² per 1 mm thickness.

For a layer of 6-7 mm thickness, approximately 10 kg of dry powder is required to cover one square metre.

PACKAGING

MASTERTOP 566 is supplied in 25 kg, multi-ply paper sacks with polythene liner.

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.

AN/Mtop566/v2/050609

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.
