

MasterTop[®] 508 (Formerly known as Mastertop P-8)

Economical self-levelling cementitious floor underlayment

DESCRIPTION

MasterTop 508 is a self-levelling, cementitious, non-structural, floor underlayment intended for use over poured in-situ and precast concrete floors which will be covered by carpet. Only water needs to be added at the job site to obtain the desired consistency for installation.

RECOMMENDED USES

- Finishing rough screeded floors
- Levelling up floors
- Refurbishing old floors
- Resurfacing internal rain damaged floors
- **MasterTop 508** is not suitable as a finished topping layer for external use

FEATURES AND BENEFITS

- **Economical** - Low installed cost
- **Resistant to cracking** - Long service life
- **Fast strength gain** - Ready for foot traffic after 3-4 hours
- **Fast Curing** - Return to service in 24 hours
- **Multipurpose** - Suitable for most carpet adhesives

PROPERTIES

Compressive Strength (AS 1478.2 App. A)	
1 day	>10MPa
28 days	>25MPa
Working time @ 23°C	45 mins
Setting times @ 23°C – Initial	1½ - 2 hours
– Final	2 - 3 hours
Foot traffic @ 23°C & 50%RH	3-4 hours
VOC content: Test method: SCAQMD 304-91	5 g/L

The performance data is typical and based upon controlled laboratory conditions. Actual performance on the job site may vary from these values based on actual site conditions.

Supply form	Powder
Water added per bag (20kg)	4.4 litres
Colour	Light Grey
Application temperature	5°C to 30°C
Toxicity	Non toxic

APPLICATION

Surface preparation

Remove all grease, oil, dust, residual curing compound, mould release agent or other contaminant that could impair adhesion. Laitance should preferably be removed by light shot blasting or grinding

If necessary, employ mechanical cleaning methods and equipment. If sealers, paint, polymer coatings or curing compounds are present on concrete substrate, remove with mechanical shotblasting equipment.

MasterTop 508 is best applied where the ambient and substrate temperature is between 5°C and 30°C. Outside this range, please refer to your local BASF Technical Representative.

Voids and cracks (water pipes, holes, drainage pipes etc) should be filled to prevent seepage through to lower levels. Consult with your local BASF Technical Representative for product recommendations.

Note: Expansion joints should always be reflected through the topping to avoid random cracking.

Priming

Apply **MasterTop[®] 1600** (formerly Mastertop P Primer) to the dry substrate by: roller, brush, low pressure spray or squeegee. On very porous or absorbent substrates, 2 coats may be required to effectively seal the substrate. Take care to avoid puddling of the primer. Allow to fully dry before application of **MasterTop 508**.

Mixing

Mechanical mixing is required for **MasterTop 508**. For small areas, a slow speed stirrer of not more than 600 rpm such as a Festo RW3E mixer fitted with a cage paddle, is suitable. Place the required quantity of water into the mixing vessel. Whilst mixing, slowly add the powder to the water then mix for a total of 4 minutes.

For improved efficiency and continuous application of **MasterTop 508**, it is recommended to use at least two mixing buckets.

Method of use

Pour mixture over substrate maintaining a minimum thickness of 3mm and a maximum thickness of 30mm.



The Chemical Company

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Do not coax **MasterTop 508**; it will seek its own level.

For hard to reach areas and touch-ups, a spreader may be used.

When pouring from a mixing vessel, the discharge point should be approximately 200mm from the floor to prevent splashing and air entrapment.

Progress should be steady and even. Application should take place continuously into the preceding wet material to ensure even thickness and flow. Do not make new edges and 'fill in' the middle.

CURING

MasterTop 508 is self-curing, but as with all cementitious products, in hot weather take adequate measures to protect it from exposure to direct sunlight and hot winds. DO NOT use water spray or liquid membrane curing compounds as these may affect the surface texture or prevent bonding of subsequent adhesives used with floor coverings.

ESTIMATING DATA

A 20kg bag of **MasterTop 508** mixed with 4.4 litres of water yields 11.9 litres.

PACKAGING

MasterTop 508 is available in 20kg moisture resistant bags.

SHELF LIFE

MasterTop 508 can be stored in sealed original bags for 6 months if kept dry and at a moderate temperature.

PRECAUTIONS

Irritating to respiratory system and skin. Risk of serious damage to eyes. Keep out of reach of children. Do not breathe dust. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and soap. Take off immediately all contaminated clothing. Wear suitable gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label.

For the full health and safety hazard information, first aid measures 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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NOTE

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

BASF Australia Ltd

ABN 62008437867

Construction Chemicals Division

11 Stanton Road Seven Hills, NSW 2147

Sales Offices:

Sydney, Brisbane, Melbourne, Adelaide, Perth

Freecall: 1300 227 300

BASF Emergency Advice:

1800 803 440 within Australia (24hr)

0800 944 955 within New Zealand

BASF New Zealand Ltd

www.basf-cc.com.au

45 William Pickering Drive, Albany, Auckland, Phone: 0800 334 877 **BASF WEB SITES**
www.basf-cc.co.nz