

# MasterTop<sup>®</sup> 530 (Formerly known as Mastertop P-30)

Bulk fill self-smoothing cementitious floor underlayment

## DESCRIPTION

**MasterTop 530** is an economical, self-smoothing, cementitious, non-structural, floor underlayment intended for use over poured in-situ and precast concrete floors which will be covered by carpet, vinyl, ceramic tiles or natural stone and timber.

**MasterTop 530** has been specifically formulated to achieve a fast setting surface with maximum available flow time. Only water needs to be added at the job site to obtain the desired consistency for pumping or manual installation.

## RECOMMENDED USES

- Rough screeding prior to skim coating
- Levelling up floors
- Refurbishing old floors
- Resurfacing internal rain damaged floors
- Internal floors above or below grade
- Used in conjunction with **MasterTop<sup>®</sup> 515** to provide a flat blemish free surface

**MasterTop 530** is not suitable as a finished topping layer or for external use.

## FEATURES AND BENEFITS

- **Highly fluid and pumpable** - Fast installation.
- **Rapid strength gain** - Fast installation of floor leveller.
- **Economical** - Low installed cost.
- **Resistant to cracking** - Long service life.
- **Fast return to service** - Apply floor leveller after 3 hours.

## PROPERTIES

	1 day	28 days
Compressive strength ( Test Method: AS 1478.2-2005)	10MPa	25MPa
Flexural strength (Test Method: ASTM C 348)	4MPa	6MPa
Work time @ 23°C	30 mins	
Setting times @ 23°C – Initial – Final	1½ - 2hours 2 - 3 hours	
VOC content Test method: SCAQMD method 304-91	13grams/litre	

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 and test conditions.

Supply form	Powder
Water added per bag	2.4 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 530** is best applied where the application 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 with **MasterTop<sup>®</sup> 545** to prevent seepage through to lower levels.

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

### Mixing

Mechanical mixing is required for **MasterTop 530**. For small areas a slow speed stirrer of not more than 600 rpm such as a Festo RW3E mixer fitted with a helical (e.g. Jiffy) paddle. Place the required water into the mixing vessel and slowly add powder to the water. Mixing time required is 4 minutes. For more efficient production it is recommended to use two mixing buckets for continuous supply of **MasterTop 530**.

Pour mixture over substrate or pump through a suitable pump to desired thickness. For hard to reach areas and touch-ups, a spreader may be used.



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For larger jobs, the use of a mechanical mixer/pump unit is recommended. Refer to your local BASF Technical Representative for suitable machines.

## Priming

Apply **MasterTop<sup>®</sup> 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 primer to dry before application of **MasterTop 530** to the substrate. If **MasterTop 515** is to be applied on **MasterTop 530** then the **MasterTop 530** should be primed with **MasterTop 1600**.

## Method of use

Progress should be steady and even with the application hose discharge point -maximum of 200mm from the floor. 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.

Maximum thickness should be 80mm whilst minimum thickness is 5 mm. If greater thickness required, two applications should be used.

## CURING

**MasterTop 530** 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. Note: **MasterTop 530** may suffer a damaged, uneven surface if exposed to puddled water.

## ESTIMATING DATA

A 20kg bag of **MasterTop 530** mixed with 2.4 litres of water yields 10.0 litres (0.01m<sup>3</sup>).

## PACKAGING

**MasterTop 530** is available in 20kg moisture resistant bags.

## STORAGE / SHELF LIFE

**MasterTop 530** can be stored in original bags for 12 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. 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.

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