



The Chemical Company

MASTERTOP[®] P-30

Bulk fill self-smoothing cementitious floor underlayment

DESCRIPTION

MASTERTOP P-30 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.

MASTERTOP P-30 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 FOR

- Rough screeding prior to skim coating
- Levelling up floors
- Refurbishing old floors
- Resurfacing internal rain damaged floors
- Refurbishment over terrazzo, quarry or ceramic tiles
- Internal floors above or below grade
- Used in conjunction with P-15 to provide a flat blemish free surface

FEATURES AND BENEFITS

- **Highly fluid and pumpable for fast installation.**
- **Pourable or pumpable.**
- **Rapid strength gain for fast installation of floor leveller.**
- **Low installed cost.**
- **Resistant to cracking.**
- **Ready for floor leveller after 3 hours.**
- **Return to service in 24 hours.**

Note: **MASTERTOP P-30** may suffer a damaged, uneven surface if exposed to puddled water.

MASTERTOP P-30 is not suitable as a finished topping layer for external use.

PERFORMANCE DATA

	1 day	28 days
Compressive strength (AS 2073)	min. 10MPa	min. 25MPa
Flexural strength (ASTM C 348)	4MPa	6MPa
Work time @ 23°C		30 mins
Setting times @ 23°C – Initial		1½ - 2hours
– Final		2 - 3 hours
Foot traffic @ 23°C 50%RH		approx. 3 hours
Pull off bond strength		1.0MPa
VOC content*		13grams/litre

*Test method: SCAQMD method 304-91

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.

ESTIMATING DATA

A 20kg bag of **MASTERTOP P-30** mixed with 2.4 litres of water yields 10.0 litres (0.01m³).

PROPERTIES

Supply form	Powder
Water added per bag	2.4 litres
Colour	Light Grey
Application temperature	5°C to 30°C
Toxicity	Non toxic

APPLICATION

Substrate condition

Substrate must be clean and free of oil, sealers, curing compounds, paint, polymer coatings, dust or other foreign (bond breaking) matter. Remove all weak or broken pieces of concrete. 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 P-30** is best applied where the application temperature is between 5°C and 30°C. Outside this range, please refer to your local BASF Construction Chemicals Technical Sales Representative.

Voids and cracks (water pipes, holes, drainage pipes etc) should be filled to prevent seepage through to lower levels.

Note: Joints should always be cut in toppings directly above those in the base slab to avoid random cracking.

Mixing

Mechanical mixing is required for **MASTERTOP P-30**. 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 ° of the required water into the mixing vessel and slowly add powder to the water. Mixing time is 4 minutes.

Whilst mixing, add powder within 3 minutes then mix for a further 1 minute. Allow to stand for 3 minutes and remix prior to application. For more efficient production it is recommended to use two mixing buckets for continuous production of **MASTERTOP P-30**.

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.

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

Priming

Apply **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.



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MASTERTOP P-30 must be primed prior to application of **MASTERTOP P-15**. Allow to dry before application of **MASTERTOP P-30** to substrate or **MASTERTOP P-15** to **MASTERTOP P-30**.

Method of use

Progress should be steady and even with the application hose discharge point approximately 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.

The fresh wet topping can be rolled immediately with a suitable long spiked roller to release all air retained within the underlayment. Do not roll material that has been applied for more than 2-3 minutes.

Maximum thickness should be 30mm. If greater thickness required, two applications should be used.

CURING

MASTERTOP P-30 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.

CLEANING

Tools should be cleaned with water before material hardens.

SHELF LIFE

MASTERTOP P-30 can be stored in tightly sealed original bags for 12 months if kept dry and at a moderate temperature.

PACKAGING

Available in 20kg moisture resistant bags.

PRECAUTIONS

MASTERTOP P-30 is not toxic, but as with other products containing cement it has an alkaline nature and thus can be irritating to skin and eyes. Wear simple dust masks and gloves when handling. Wash off splashes of material with clean water. If irritation persists, seek medical advice.

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 BASF **Material Safety Data Sheet (MSDS)** from our office or our website.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** 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** 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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