



The Chemical Company

# MasterTop<sup>®</sup> 505 (Formerly known as Mastertop P-5)

Rapid-setting feather finish cementitious floor underlayment

## DESCRIPTION

**MasterTop 505** is used to finish and smooth a variety of surfaces including concrete, underlayments, wood, residential vinyl, ceramic/quarry tiles, terrazzo and adhesives. Combined with water, **MasterTop 505** mixes to a creamy smooth consistency for ease of application. **MasterTop 505** is a rapid-setting, aggregate-free, polymer modified cement-based finishing underlayment.

## RECOMMENDED USES

- Skim coating and smoothing rough concrete
- For filling minor voids, holes and cracks in concrete and underlayments
- Levelling and smoothing wood underlayment seams and joints
- Levelling and filling embossed sheet goods
- Skim coating over ceramic tile
- Skim coating over adhesive residue or membranes that are thin, well bonded, structurally sound and non-water soluble

## FEATURES AND BENEFITS

- **Rapid setting** – downtime is minimised for lower installed cost
- **Compatible with most flooring adhesives** – one product for numerous applications
- **Can be feather-edged** – high coverage rates yield lower overall material costs
- **No priming** – extra steps and time are eliminated
- **One-component polymer modified** – only water is needed for mixing

## PROPERTIES

VOC content: Test method: SCAQMD 304-91	18 g/L
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## APPLICATION

### Surface Preparation

Remove all grease, oil, dust, residual curing compound, mould release agent or other contaminant that could impair adhesion. Laitance should be removed by light shot blasting or grinding. Mechanical wire brushing may be appropriate for small areas.

Do not use acid etching, solvents, or cleaning compounds for surface preparation.

**MasterTop 505** is for interior installations only. Do not use in areas of constant or intermittent water exposure. Do not apply over pressboard, gypsum-based substrates, or similar unstable substrates.

Subfloors to receive **MasterTop 505** must be a minimum 10°C and must be free of surface moisture. Consult the chosen flooring manufacturer for recommended installation temperatures and the maximum allowable moisture content and vapor drive of the substrate for installation of their flooring product.

Before the application of **MasterTop 505**, all existing adhesive residues over concrete must be tested for water solubility to ensure they will not react with the new flooring adhesive.

### Application

**MasterTop 505** is used to smooth substrate transitions and ridges, and to fill cracks, knots, and joints in wood underlayment. **MasterTop 505** is also used for a true featheredge skimcoat over all types of interior concrete, masonry, wood, terrazzo, and quarry and ceramic tile.

**MasterTop 505** can be used over structurally sound, permanently bonded, properly prepared residues of non-water soluble adhesives that may exist on concrete installations. Adhesive residue on concrete must be inert to the new adhesive being installed, and the chosen floor covering must not be sensitive to adhesive migration. Consult BASF Technical Representative for specific installation recommendations.

### Mixing

The mixing ratio is two parts **MasterTop 505** to one part water by volume to preferred consistency.

In a clean mixing container pour approximately enough powder to place in 20 minutes. Add water while slowly mixing with a margin trowel or Jiffy mixer. Vigorously mix to a smooth, lump-free consistency.

NOTE: Mechanical mixing with a portable drill and Jiffy mixer at low RPM (300-600) will produce a creamier (fluffy) and smoother consistency.

To mix an entire bag, use approximately 2.4 litres water with a 4.5 kg unit.



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## Installation

Steel trowel to desired thickness and finish, making sure product is properly keyed into subfloor substrate. Apply enough pressure to fill all voids and defects. Feather out where a seamless interface is desired. **MasterTop 505** may be applied from featheredge to 13 mm in thickness. **MasterTop 505** does not require a minimum thickness. Use the least amount of material to achieve the desired surface smoothness.

Pot life is 15 to 20 minutes at 21°C. Pot life will vary with ambient and substrate temperature. When setting in the pail, **MasterTop 505** may be re-tempered only through remixing. **DO NOT RETEMPER WITH ADDITIONAL WATER.**

## Flooring Installation

Floor coverings may be installed as soon as the surface is sufficiently hard and is not damaged by application of the flooring adhesive. This can be in as little as 15 to 20 minutes for skimcoat applications depending on temperature, relative humidity, and subfloor conditions. Thicker sections will require more time.

Flooring and flooring adhesives that are sensitive to moisture can be installed after 16 hours. These include wood flooring, athletic flooring, and those that require epoxy or urethane adhesives.

**MasterTop 505** is compatible with all adhesives that are compatible with concrete.

## Embossing Filler

All existing felt-backed embossed sheet vinyl must be clean and free of any dressings and waxes. The sheet vinyl must be installed over a suitable

structurally sound substrate and be free of moisture and friable particles. Do not use over perimeter bonded sheet vinyl or cushion back flooring that is thicker than 2 mm thick. Consult BASF Technical Representative for specific installation recommendations.

## ESTIMATING DATA

A 4.5 kg unit yields 9 litres and covers up to 30 square metres.

## PACKAGING

**MasterTop 505** is available in 4.5kg bags packed in resealable pails.

## STORAGE / SHELF LIFE

Containers should be stored tightly sealed in a dry place. **MasterTop 505** has a shelf life of 6 months

## 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 eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash 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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## 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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