



The Chemical Company

MASTERTOP® P-5

Rapid-setting feather finish cementitious floor underlayment

DESCRIPTION

MASTERTOP P-5 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 P-5** mixes to a creamy smooth consistency for ease of application. Designed around a Portland cement-based matrix, **MASTERTOP P-5** is a rapid setting, aggregate-free, polymer modified cement-based finishing underlayment.

RECOMMENDED FOR

- 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 that is 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

APPLICATION

Surface Preparation

1. Areas to be finished or repaired must be clean, structurally sound, and free of all loose, dirty, oily and scaly material, or any material that may affect proper bonding. Dust, dirt, oil, or other contaminants must be thoroughly vacuumed and extracted from concrete.
2. Remove all curing compounds, sealers, waxes and paints. Mechanical abrasion may be required for thorough removal.
3. Do not use acid etching, solvents, or sweeping compounds for surface preparation.
4. **MASTERTOP P-5** 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.
5. Subfloors to receive **MASTERTOP P-5** must be a minimum 10° C. All sub floors must be free of surface moisture and excessive vapor drive within the flooring manufacturer's recommended moisture content. 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.

6. Before the application of **MASTERTOP P-5** 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 P-5 is used to smooth substrate transitions and ridges, and to fill cracks, knots, and joints in wood underlayment. **MASTERTOP P-5** is also used for a true featheredge skimcoat over all types of interior concrete, masonry, wood, terrazzo, and quarry and ceramic tile.

MASTERTOP P-5 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 Construction Chemicals Technical Representative for specific installation recommendations.

Vacuum, and other equipment may be needed for subfloor preparation.

Mixing

1. The mixing ratio is two parts **MASTERTOP P-5** to one part water by volume to preferred consistency.
2. In a clean mixing container pour approximately enough powder to place in 20 minutes. Add water while slowly mixing with margin trowel or Jiffy mixer.
3. Vigorously mix to a smooth, lump-free consistency.
NOTE: Mechanical mixing with a portable drill and Jiffy mixer at low RPM will produce a creamier (fluffy) and smoother consistency.
4. To mix an entire bag, use approximately 2.4 litres water with a 4.5 kg unit.

Installation

1. 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 P-5** may be applied from featheredge to 13 mm in thickness.
2. **MASTERTOP P-5** does not require a minimum thickness. Use the least amount of material to achieve the desired surface smoothness.
3. Over large areas **MASTERTOP P-5** can be installed from a true featheredge up to 13 mm thick in one application. Thicker applications can be placed in small, well-defined areas such as transitions, and thresholds.
4. 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 P-5** may be retempered only through remixing. **DO NOT RETEMPER WITH ADDITIONAL WATER.**

Flooring Installation

1. 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

MASTERTOP® P-5

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 P-5** 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 Construction Chemicals Technical Representative for specific installation recommendations.

CLEANING

Clean tools and equipment immediately after use with water. Cured material can be removed by mechanical means only.

FOR BEST PERFORMANCE

- MASTERTOP P-5** is a cementitious material. Follow all general rules and practices of concrete placement.
- Subfloors to receive **MASTERTOP P-5** must be a minimum 10° C.
- All subfloors must be free of surface moisture and within the flooring manufacturer's recommended moisture content and vapor drive. Consult the chosen flooring manufacturer for recommended installation temperatures and the maximum allowable moisture content and vapour drive of the substrate for installation of their flooring product.
- Do not use in area subjected to constant moisture or intermittent water exposure.
- Product is not designed as the final wearing surface.

- Using more water than recommended will weaken the **MASTERTOP P-5** and extend cure time.
- Make certain the most current versions of product data sheet and MSDS are being used.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

YIELD

4.5 kg unit yields:
9.3 – 14 m² over concrete
18.6 – 23.3 m² over plywood

PACKAGING

MASTERTOP P-5 is available in 4.5kg bags

SHELF LIFE

Six months in original unopened package.

STORAGE

Protect from moisture and dampness. Store in cool, dry area. Do not expose pack to sun. Roll bag of unused portion tightly to remove air and retain freshness.

PRECAUTIONS

MASTERTOP P-5 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. Keep out of reach of children. Wash off splashes of material with clean water. If irritation persists, seek medical advice.

VOC content 18grams/litre. SCAQMD test method 304-91.

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

AMtopP-5/5/1111

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.

BASF Australia Ltd
A.B.N. 62008437867
Head Office: 11 Stanton Road Seven Hills, NSW 2147
Ph. (02) 8811 4200

Newcastle	(02) 4961 3819
Canberra	(02) 6280 6010
Brisbane	(07) 3633 9900
Townsville	(07) 4774 7344
Melbourne	(03) 9549 0300

Adelaide	(08) 8139 7500
Perth	(08) 9366 2600
Darwin	(08) 8984 3269
Kalgoorlie	0417 772 355

BASF New Zealand Ltd
BASF WEB SITES

Head Office: 45 William Pickering Drive, Albany, Auckland Ph: (09) 414 7233
www.basf-cc.com.au www.basf-cc.co.nz www.meyco.basf.com