

Mastertop[®]DAP

Decorative Image-based floor system

Description

Mastertop[®]DAP is an innovative flooring system that puts stunning images onto floors in commercial, corporate and retail buildings. Mastertop[®]DAP consists of a clear, light stable, 2 component resin binder system used to encapsulate a photographic image. Mastertop[®]DAP creates a unique ambience to any space, creating a floor that projects a vibrant image and captures the imagination.

Fields of application

Mastertop[®]DAP is used wherever a striking visual effect in combination with floor performance is desired such as:

- Commercial Buildings
- Receptions and Public Areas
- Retail and Fashion
- Fitness and health studios
- Sports and Leisure
- Restaurants

Mastertop[®]DAP floors have excellent mechanical properties and offer good abrasion and wear characteristics in pedestrian trafficked areas.

Features and benefits

- Enables any picture, electronic image, logo or design to be incorporated into a floor.
- Seamless application
- Robust, water white epoxy resin seal protects the floor.
- Installed by trained specialist contractors to help ensure that the best possible results are achieved.
- System bond strength greater than tensile strength of concrete

Packaging

Mastertop [®] TC407W	10litre unit
Mastertop [®] TC430	10kg unit
Mastertop [®] 1375	10litre unit

Colours

Available in standard colours and with colour matching or RAL/BS colours depending on quantity required. Contact BASF CC SA.

Application procedure

Application procedures given are for guideline only. It is recommended that this product is applied by an BASF CC SA trained and approved applicator.

Preparation of Substrate:

Concrete and other cementitious substrates should be at least 28 days old and have a residual moisture content of less than 4%. Damp-proof membranes (DPMs) should be installed and known to be effective. Mechanical preparation such as captive shotblasting, grinding or scarifying is required to remove all contaminants and any laitance to provide a clean, sound substrate suitable to receive the resin topping.

The concrete should have a direct tensile pull off strength of at least 1.5N/m². Install metal edge trim at joints as required. Note: For Mastertop[®]DAP applications into existing or new floor finishes, a recess may have to be formed to allow encapsulation of the image and resin covering. The minimum depth should be 5mm.



The Chemical Company

Mastertop[®]DAP

Environment

Temperatures to be within the range 10-30°C, ideally 15-25°C. Do not commence work if temperatures are within 3°C of the dew point or if condensation is likely to occur within 48 hours (at 20°C) of application.

Base smoothing layer

Prime the prepared substrate and apply Mastertop[®]1230 solvent-free epoxy self-smoothing resin overlay, in accordance with the product data sheet, to produce a flat smooth substrate. If the base smoothing layer is not overlaid within 48 hours, lightly abrade the surface, and solvent wipe before proceeding.

Design Art Poster

The picture is pre-printed to your design on a high quality film to ensure it is both robust and light fast. To source the poster please contact BASF CC SA. Ensure that the whole picture is present and positioned correctly prior to installing. The picture is self adhesive and easily adjustable to ensure exact location.

Clear Body Coat

Mastertop[®]TC430 is supplied in pre-weighed packs that should not be split or divided. It is especially important to use complete packs in every mix and to mix thoroughly to ensure consistent colour and texture.

Mix the Mastertop[®]TC430 resin system using a slow speed drill with a suitable paddle for 3 minutes until homogenous. Pour into a clean container and mix again. Apply by squeegee to a minimum thickness of 2.5mm and lightly back roll using a spiked roller.

Sealing

The natural surface of the Mastertop[®]TC430 is very glossy and this high reflectance can mar the appearance of the image, through "light re-bound".

A number of surface seal coat options are available which matt-off the surface and enable the true beauty of the floor to be revealed. These products also help protect the floor by enhancing the scratch resistance. Mastertop[®]TC405W solvent-free clear polyurethane matt seal coat. Mastertop[®]1375 slip resistant surface seal. This product may reduce the clarity and sharpness of the image.

Joints

Reflect all joints in the substrate accurately through the screed topping, as a bonded screed will crack where there is differential movement in the host concrete. It is recommended that the joint arms is protected with a metal trim and the Mastertop[®]DAP dressed up to either side. Fill joints with a suitable sealant.

Cleaning

Tools must be cleaned immediately after use with Cleaning Solvent No2 or other suitable solvents. Cured material can only be removed mechanically.

Coverage

Mastertop[®]TC 430 resin system:

3.0-5.0 kg/m² as required.

Mastertop[®]TC 405W matt seal coat

0.1-.12 kg/m² as required.

Mastertop[®]1375 slip resistant surface seal.

0.1-.15 kg/m² as required.

Coverage rates quoted are based upon laboratory tests and site experience and are given for guidance only.



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Shelf life

1 year if stored in accordance with manufacturer's instructions.

Storage

Store under cover, out of direct sunlight and protect from extremes of temperatures.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF Construction Chemicals SA's Technical Services Department.

Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs (which can also be tainted with vapour until product is fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

Note

For professional use only

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF Construction Chemicals SA representative. BASF Construction Chemicals SA reserves the right to have the true cause of any difficulty determined by accepted test methods

Quality and care

All products originating from BASF Construction Chemicals' SA facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001:2000.

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

As all BASF's technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

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