

MasterTop[®] DAP

High decorative image-based flooring system, smooth, matt finish

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, two 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.

TYPICAL APPLICATIONS

MasterTop DAP is used wherever a striking visual effect is desired in the following applications:

- Commercial buildings
- Receptions and public areas
- Corporate headquarters
- Health clubs and fitness studios
- Restaurants
- Retail and fashion
- Hairdressing and beauty salons
- Sports and leisure

MasterTop DAP floors have excellent mechanical properties and offer good abrasion and wear characteristics in pedestrian trafficked areas.

ADVANTAGES

- Enables any picture, electronic image, logo or design to be incorporated into a floor
- Water clear 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 DAP is supplied as follows:

| | |
|--|--------------------|
| MasterTop P 650 | - 15kg |
| MasterTop 1230 (including colour pack) | - 46kg |
| MasterTop DAP (Decorative Art Picture) | - depends on specs |
| MasterTop BC 308 | - 18kg |
| MasterTop TC 442W (Clear) | - 10kg |

APPLICATION GUIDELINES

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%.

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/mm².

Install metal edge trim at joints as required.

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 self-smoothing epoxy overlay, in accordance with the product datasheet to produce a flat smooth substrate.

If the base smoothing layer is not overlaid within 48 hours, lightly abrade the surface and vacuum clean before proceeding.

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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.

Ensure that the whole picture is present and position correctly prior to installing. The picture is self-adhesive and easily adjustable to ensure exact location.

Clear Body Coat

MasterTop BC 308 is supplied in pre-weighed packs which 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 BC 308** resin using a slow speed drill with a suitable paddle for at least 2-3 minutes until homogenous. Pour into a clean container and mix again.

Apply by squeegee to a minimum thickness of 2mm and lightly back roll using a spiked roller.

Sealing

The natural surface of the **MasterTop BC 308** is very glossy and this high reflectance can mar the appearance of the image.

A surface seal coat **MasterTop TC 442W** (Clear) solvent free clear polyurethane matt top coat is applied to matt off the surface and enable the true beauty of the floor to be revealed. This also helps protect the floor by enhancing the scratch resistance.

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 arris 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 a suitable thinner (Xylene / MEK / Acetone) or other suitable solvents. Cured material can only be removed mechanically.

COVERAGE / YIELD

| | |
|-------------------------------------|--|
| MasterTop P 650 | 0.15-0.3 kg/m ² depending on surface texture and porosity |
| MasterTop 1230 | 2.0-2.5 kg/m ² may be applied at greater thicknesses |
| Decorative Art Picture | depends on the clients request and specifications |
| MasterTop BC 308 | 2.2-2.6 kg/m ² |
| MasterTop TC 442W (Clear) | 0.12-0.15 kg/m ² |

Consumptions are indicative and may be higher, depending on substrate roughness, temperature and porosity, as well as waste produced during application.

Please refer to the method statement for application instructions.

THICKNESS

From 4.0-6.0mm (dependent on surface profile required).

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STORAGE AND SHELF LIFE

Store in unopened containers in cool, dry conditions at ambient temperatures between 5-35°C (ideally 15-20°C). Shelf life is 12 months if stored in accordance with manufacturer's instructions.

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

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult Master Builders Solutions Technical Services Department.


HEALTH AND SAFETY

For further information, a material safety data sheet is available to the specialist applicator.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE 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, ISO 14001 and ISO 45001.

CE-marking according to EN 13813

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|  | |
| Master Builders Solutions Deutschland GmbH Donnerschweer Str. 372, D-26123 Oldenburg | |
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| 122602 | |
| EN 13813: 2002 | |
| EN 13813: SR-B1,5-AR1-IR4 | |
| Synthetic resin screed for internal uses | |
| Essential characteristics | Performance |
| Fire behavior | Bfl-s1 |
| Release of corrosive substances | SR |
| Water permeability | NPD |
| Wear resistance | < AR 1 |
| Bond strength | > B 1,5 |
| Impact resistance | > IR 4 |
| Impact sound insulation | NPD |
| Sound absorption | NPD |
| Heat insulation | NPD |
| Chemical resistance | NPD |

NPD = No performance determined

Performance determined in System build-up **MasterTop DAP**

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC Group in many countries.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions 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

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