

MasterTop® 585

Binder for decorative cementitious terrazzo system

DESCRIPTION

MasterTop 585 is a pigmented cement-based binder modified with special additives which, when combined with graded aggregates, provides a durable and highly decorative cementitious terrazzo body coat.

TYPICAL APPLICATIONS

MasterTop 585 when used as per the relevant method statements for Master Builders Solutions products is suitable for but not limited to the following application areas:

- Hospitals
- Restaurants
- Cafes
- Night clubs
- Showrooms
- Government buildings
- Public buildings
- Shopping centres
- Airport terminals
- Hotel receptions

ADVANTAGES

- Durable
- Decorative
- Excellent compressive & flexural strengths
- High design potential
- Low Shrinkage
- Highly versatile
- Repairable
- Low maintenance
- Easy to clean
- Seamless finish
- Highly decorative
- Low life cycle cost
- Sustainable

PACKAGING AND COLOURS

MasterTop 585 is supplied in a 20kg bag, and is available in the following standard colours: Bianco, Carrara White, Dolphin Grey, Graphite, Silver and Slate.

TYPICAL PROPERTIES*

Laboratory tests carried out at 25°C

Flexural strength (ASTM C580)	>10 MPa
Compressive strength after 24 Hours	>25 MPa
Compressive strength 28 days (ASTM C579)	>50 MPa
Density (approx.)	2.0 kg/L
Tensile strength (ASTM C579)	>5 MPa
Adhesion to concrete	>2 MPa
Open time	30 min
Length Change (ASTM C157)	< - 0.005%
Drying shrinkage	<0.5 mm/m
Abrasion resistance (Taber test to ASTM D4060)	0.057 g/m ³

*All tests done with the **MasterTop CTZ** body coat (MasterTop 585 and MasterTop F 585).

APPLICATION GUIDELINES

Before mixing, pre-condition the components to a temperature approximately 15-25°C. Pour 4.3L of gauging water into the mixer. Slowly add 20kg bag of **MasterTop 585** and mix to a creamy consistency. Slowly add 23kg bag of

MasterTop F 585 aggregates while continually mixing, until homogenous. Allow to stand for 2 minutes and then quickly remix.

Pour the mixed body coat on to the prepared substrate and spread with a trowel. Use a straight edge to ensure the desired level is obtained.

Note: The mixing ratio should be kept strictly the same for each batch to ensure consistency of application.

Protect newly applied body coat from too rapid dehydration using plastic / polyethylene sheet. Water curing is not recommended.

For detailed application instructions refer to **MasterTop CTZ** method statement.

MasterTop[®] 585

The open time and curing time of the decorative body coat is influenced by the ambient material and substrate temperature. At low temperatures the hydration rate of the mix is slower. This lengthens the pot life, open time and curing time.

COVERAGE / YIELD

1 bag of 20kg **MasterTop 585** mixed with 4.3L of water and 23kg of **MasterTop F 585** covers approximately 1.75 m² applied at a minimum thickness of 12 mm (grinded and polished to 10 mm).

STORAGE AND SHELF LIFE

Store in original containers under dry conditions and temperature between 15–25°C. Do not expose to direct sunlight. Avoid excessive compaction. The shelf life is 12 months when stored as above.

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 UAE's Technical Service Department.

PRECAUTIONS

The substrate should be fully cured prior to the application of the body coat.

An effective moisture vapour barrier is required for substrates on grade or below grade. The substrate must be structurally sound and cleaned of any foreign matter that will inhibit adhesion and curing.

The Engineer should address joint details prior to the job starting with the flooring contractor.

New concrete floors should be at least 28 days old prior to the application of the body coat. Subfloors must contain less than 5% Moisture and 75% RH and be properly primed for successful installation. Substrate and ambient temperatures should be above 5°C and not exceeding 35°C.

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 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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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

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

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