

# MASTERTOP<sup>®</sup> BC 304

**A highly decorative, solvent-free, four component epoxy terrazzo floor screed**

## Description

MASTERTOP BC 304 is a solvent-free four component epoxy terrazzo floor screed combining brightly coloured pigmented epoxy resin with coloured glass, graded aggregates and mother of pearl to provide a durable yet highly decorative flooring system.

MASTERTOP BC 304 forms the basis of the MASTERTOP DTZ flooring system which finds use in applications such as:-

## Typical applications

- Hospitals
- Restaurants
- Cafes
- Night Clubs
- Showrooms
- Government Buildings
- Public Buildings
- Airport Terminals
- Hotel Receptions

## Features & benefits

- Seamless
- Durable
- Decorative
- Excellent Compressive & flexural strengths
- High design potential
- No shrinkage
- Highly versatile
- Repairable
- Low maintenance
- Easy to clean

## Packing

MASTERTOP BC 304 is supplied in working packs (4 components):

Part A & B (combined)	5.5kg
Part C	25kg
Part D	0.4kg
<b>Total unit weight</b>	<b>30.9kg</b>

## Physical Properties

### Technical data

Shore D hardness	80
Water Absorption (ASTM C413)	0.1%
Flexural strength (BS 6319)	>20N/mm <sup>2</sup>
Compressive strength (BS 6319)	>65N/mm <sup>2</sup>
Density (approx.)	2.1g/cm <sup>3</sup>
Tensile strength (BS 6319)	>11N/mm <sup>2</sup>
Adhesion to concrete	Greater than the cohesive strength of concrete
Abrasion resistance (Taber test to ASTM D 4060)	0.09g (per 1000 revolution)

## Precautions

The substrate should be fully cured prior to the application of MASTERTOP BC 304.

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

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## Colours

MASTERTOP BC 304 is available in a Europa Matrix in 8 Standard finishes:-

Limestone, Sandstone, Granite, Quartz, Sapphire, Jade, Marble & Amber

Taylor made finishes can be created also. For further details please contact BASF Construction Chemicals UAE LLC.

## Application Method

MASTERTOP BC 304 is supplied as a four component system which is pre-packaged in the exact ratios. Before mixing, pre-condition the components to a temperature approximately 15-25°C. Pour the entire contents of the B component into the container of the A component and then add the D component. Do not mix by hand, mix with a mechanical drill and paddle at a very low speed for at least 3 minutes. Transfer the mixed material to a forced action mixer and add the C component slowly and mix until all the filler is coated with resin.

Pour the mixed MASTERTOP BC 304 on to the prepared substrate and spread with a trowel.

The curing time of the material is influenced by the ambient material and substrate temperature. At low temperatures the chemical reactors slow down. This lengthens the pot life, open time and curing time. High temperatures speed up chemical reactions thus the time frames mentioned above are shortened accordingly.

To fully cure the material substrate and application should not fall below the minimum.

The temperature of the substrate must be at least 3° above the dew point both during the application and at least 8 hours after application at 15°C.

## Coverage

Approximately 22kg/m<sup>2</sup> at 10mm thickness will produce an 8mm finish after grinding and polishing.

## Storage

Store in original containers under dry conditions and temperature between 15–25°C. Do not expose to direct sunlight. Avoid excessive compaction.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advise consult BASF UAE's Technical Service Department.

## Note

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

## Quality and care

All products originating from BASF's 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 OHSAS 18001.

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\* Properties listed are based on laboratory controlled tests.

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