

MASTERTOP[®] 1255

Decorative Aggregate-Based Resin Flooring System

Description

MASTERTOP[®] 1255 is a multi-component decorative Stone Carpet flooring system based on natural or pigmented aggregates bound in a clear epoxy resin to produce an aesthetically pleasing profiled floor finish. Applied by trowel to produce a seamless floor to thicknesses of 8mm and above.

Available with either sealed or open textured surface.

Primary uses

MASTERTOP[®] 1255 floors have excellent mechanical properties and offer good abrasion and wear characteristics for areas subjected to regular traffic.

MASTERTOP[®] 1255 may be used in the following industries:

- Retail
- Public Areas
- Exhibition and Conference Halls
- Offices and Commercial Buildings
- Vehicle Showrooms
- Entrance Halls and Receptions

Advantages

- Seamless
- Impact and abrasion resistant
- Slip resistant
- Visually Pleasing Finish
- Design Potential (available in a wide range of colours & varying aggregate sizes)
- Noise Reduction Properties

Packaging

MASTERTOP[®] 1255 Stone Carpet is supplied as a multi component system:

Primer	MASTERTOP [®] 1255 Resin	2kg
Aggregate	MASTERTOP [®] SRA 3	25kg
Screed	MASTERTOP [®] 1255 Resin MASTERTOP [®] 1255 Filler F4 (1-2mm, 2-3mm, 4-6mm)	2kg 25kg
Sealer	MASTERTOP [®] Filler 22	5/10kg
Optional	MASTERTOP [®] TC 407W	10kg
Divider strips	(min 8mm depth)	piece

Coverage

Primer	MASTERTOP [®] 1255 Resin	0.2kg/m ²
Broadcast scatter	MASTERTOP [®] SRA 3	0.6kg/m ²
Screed	MASTERTOP [®] 1255 Resin Mixed 1:12.5 by weight with F4 Filler*	15kg/m ² @8mm
Sealer	MASTERTOP [®] Filler 22	0.6-0.8kg/m ²
Grain	1 coat	2 coats
0.4-0.8mm	± 200 gr.	± 300 gr.
0.7-1.2mm	± 200 gr.	± 300 gr.
1.0-2.0mm	± 400 gr.	± 600 gr.
2.0-3.0mm	± 700 gr.	± 900 gr.
3.0-4.0mm	± 1000 gr.	± 1200gr.
4.0-6.0mm	N/A	N/A
Top Coat	MASTERTOP [®] TC 407W	0.1-0.12kg/m ²

*F4 filler is available in different size aggregates (1-2mm, 2-3mm, 4-6mm)

For comprehensive mixing and application instructions, please refer to BASF's latest Method Statement.

*Typical properties

Mechanical properties: (cured 7 days at 20°C)	
Bonding strength	Greater than cohesive strength of good quality concrete
Abrasion Resistance (ASTM D4060)	90mg
Temperature service:	-20°C to +60°C
Application temperature	+10°C to +40°C (temperature of air and substrate)

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Application procedure

Preparation:

MASTERTOP[®] 1255 must be applied to a clean, dry substrate free from dust, dirt, oil, grease and other contaminants. A clean well prepared surface will ensure adhesion between substrate and overlay.

The method of surface preparation will be dictated by the size of area to be treated, location and degree of contamination.

New construction:

Floors to be coated or overlaid should be at least 28 days old unless water-reducing admixtures have been incorporated with a minimum compressive strength of 25N/mm² and a moisture content of less than 5%.

The removal of laitance and contaminants is best achieved by mechanical means such as vacuum recovery shot blasting or scarifying.

Consult BASF's Technical Services Department for advice/clarification.

Existing substrate:

All contamination must be removed and a sound, clean, dry substrate exposed. Mechanical means of preparation are recommended followed by the removal of dust and other loose debris using an industrial vacuum.

Uneven concrete should be levelled to produce a roughened flat surface. Where repairs are required they can be carried out using MASTERTOP[®] 1240 PLUS filled out with additional aggregate or, if time allows, a suitable product from the EMACO range.

Application:

Expansion, control and isolation joints in concrete substrates should be carried through MASTERTOP[®] 1255 floors and filled with a suitable sealant from the BASF Range.

Metal dividing strips should be permanently fixed to the surface of the concrete substrate or screed at all free edges and any expansion / isolation construction / saw cut control joints in the floor substrate, at column bases and perimeter walls etc. Where movement is expected including adjacent finishes, metal finishes and at door thresholds.

Prior to application all components of MASTERTOP[®] 1255 should be stored under cover in dry conditions and protected from extremes of temperature, which may cause inconsistent workability, finish and cure times of the mixed material. Ideally, at least 24 hours before mixing all components of MASTERTOP[®] 1255 should be stored in an air-conditioned environment.

Storage

Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction 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 Technical Services Department.



The Chemical Company

MASTERTOP[®] 1255

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 medical attention. Reseal containers after use.

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

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