

MasterTop 190

Pigmented silica aggregate surface hardener for concrete floors

MATERIAL DESCRIPTION

MasterTop 190 is a factory blend of pigments, selected clean, kiln dried, optimally graded aggregates, Portland cement, wetting and densifying aids to provide hardened coloured floors of good aesthetic appearance and durable performance.

MasterTop 190 provides concrete floors with a reinforced high strength wearing surface (more than 60 MPa). It adjusts water: cement ratios of otherwise weaker surface pastes and bleed water residues during construction and introduces exceptional aggregate and abrasion resistance where it is most needed.

MasterTop 190 is a material component of the Master Builders Solutions System Approach to quality Dry Shake Application consisting of:

- Commercial and technical consultation
- Concrete mix design and material selection
- Equipment selection and approval
- Quality assurance
- Maintenance and cleaning

TYPICAL USES

MasterTop 190 is suitable for concrete floor life extension in:

- Shopping precincts
- Retail or commercial outlets
- Staff mess-rooms, kitchens
- Washrooms, change rooms, corridors
- Food processing plants or distribution facilities
- Utility areas

SPECIAL FEATURES

MasterTop 190 has been specially developed to provide good colour and smooth finishes suitable for easy sealing, cleaning and maintaining.

- Very good abrasion resistance (More than double that of untreated concrete)
- Free from dusting
- Uniform, dense surface impermeable to mild chemicals, acids and alkali
- Resistance to continuous washing

PACKAGING

MasterTop 190 is packaged in 25 kg moisture resistant bags.

LIMITATIONS

Do not use **MasterTop 190** where the floor is regularly subjected to elements aggressive to iron (chlorides, salts, certain acids, oxidizing agents and the like).

APPLICATIONS RATES (RECOMMENDED)

Light traffic	3 kg/m ²
Medium traffic	5 kg/m ²
Heavy traffic	7 kg/m ²
Colours	6-7 kg/m ²

Request pre-specification consultation from Master Builders Solutions Technical Services to select the correct application rate for your project.

COLOURS

Standard: Light Grey

Special colours made to order if viable. Colour selection will influence cost and pre-specification quotations are suggested. Allow sufficient lead-time for manufacture of special colours.

This data sheet must be read in conjunction with the method statement for **MasterTop 190**.

APPLICATION

Application is by traditional dry-shake method, onto concrete, at approximately initial set during plastic phase. For full details consult the Master Builders Solutions Concrete Floor Hardener method statement. Power floating is recommended.

IMPACT JOINTS

MasterTop 190 "Impact Joints" shall be incorporated on all (construction, isolation, expansion joints). 10mm deep tapering to surface 75mm away from joint, at the rate of 3,35 kilograms per lineal metre (for one side of joint).

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CLEANING AND SEALING

Refer to Master Builders Solutions Cleaning & Maintenance Statement.

STORAGE

Keep dry in closed bags.

SHELF LIFE

Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction. Shelf life is 12 months from date of manufacture in the tightly closed original packages stored as above.

SAFETY PRECAUTIONS

- Do not apply over concrete containing calcium chloride or aggregate contaminated with salt or saltwater.
- Do not apply over concrete containing microsilica. Do not apply over concrete containing more than 3% entrained air.
- This product contains cement which may cause irritation. Avoid contact with eyes and prolonged contact with skin. If contact occurs wash thoroughly with water and call a doctor. Keep product out of reach of children.

For further information refer to the material safety data sheet.

NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

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* Properties listed are based on laboratory controlled tests.

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