

# MASTERTOP<sup>®</sup> 190

## Pigmented silica aggregate surface hardener for concrete floors

### Description

MASTERTOP<sup>®</sup> 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<sup>®</sup> 190 provides concrete floors with a reinforced high strength wearing surface (up to 80 MPa). It adjusts water:cement ratios of otherwise weaker surface pastes and bleed water residues during construction, and introducing exceptional aggregate and abrasion resistance where it is most needed.

MASTERTOP<sup>®</sup> 190 is a material component of the BASF Omnitech 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<sup>®</sup> 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<sup>®</sup> 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.
- Available in an attractive range of colours.

### Packaging

**MASTERTOP<sup>®</sup> 190** is packaged in 25 kg moisture resistant bags.

### Limitations

Do not use **MASTERTOP<sup>®</sup> 190** where the floor is regularly subjected to elements aggressive to iron (chlorides, salts, certain acids, oxidizing agents and the like).

### Application Rates (Recommended)

Light traffic	3 kg/m <sup>2</sup>
Medium traffic	4 -5kg/m <sup>2</sup>
Heavy traffic	6-7kg/m <sup>2</sup>
Light Colours	5-7kg/m <sup>2</sup>

Request pre-specification consultation from BASF CC Technical Services to select the correct application rate for your project.

# MASTERTOP<sup>®</sup> 190

**Colours**

**Standard:** Charcoal, Light Grey, Mid Grey, Ivory, Tan, Tile Red, Clay

**Decorative:** Blue, White, Black, Salmon, Desert Sand, Maize, Green.

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<sup>®</sup> 190.

**Application**

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

**Impact Joints**

MASTERTOP<sup>®</sup> 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).

**Cleaning and Sealing**

Refer to BASF Construction Chemicals UAE LLC 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 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 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. Keep product out of reach of children.

**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 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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**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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