

MasterTop[®] 100

Natural aggregate surface hardener

DESCRIPTION

MasterTop 100 is a pre-mixed powder designed to be applied as a dry shake over freshly floated concrete floor. **MasterTop 100** creates an aesthetically pleasing, colored floor with significantly improved abrasion resistance. It is based on selected hard wearing mineral aggregates blended with alkali and light fast pigments and hydraulic binders. **MasterTop 100** is available in various standard colours.

RECOMMENDED USES

MasterTop 100 is recommended for treating floor areas not exposed to serious chemical attack and where uniform appearance and enhanced abrasion resistance are desired. Applications include floor areas of:

- Light Industrial and commercial buildings
- Basement and cellars
- Mechanical workshops
- Storage rooms
- Corridors, halls
- Educational institutions
- Parking areas
- Loading platforms

FEATURES AND BENEFITS

- **Uniform and intense colours** - attractive floors. Pleasant working environment.
- **Light and alkali-fast pigments** - durable, non-fading colours.
- **Good abrasion resistance** - minimized maintenance of floor surface
- **Dense surface** - increased resistance to ingress of oil and grease. Easy to clean.

PERFORMANCE DATA

| Aspect | Free flowing powder |
|--|---------------------|
| Hardness on Moh's scale | 7 - 8 |
| Abrasion resistance, 1kg H22 wheel (ASTM D 4060 –1000cycles) | < 1000 mg |

The performance data is typical and based upon controlled laboratory conditions. Actual performance on the job site may vary from these values based on actual site conditions.

APPLICATION

For information about application, please obtain a copy of the Master Builders Solutions "Application Guide for **MasterTop 100**" from your local representative.

Preparation of the Concrete

Concrete for single course monolithic floors should be capable of achieving a 28 days compressive strength of 25MPa, and with no more than 3% air. Concrete should not contain calcium chloride.

MasterTop 100 is applied as a dry shake over freshly wooden bull floated concrete

ESTIMATING DATA

Consumption of **MasterTop 100** depends upon the traffic conditions expected on the floor. As a guide following consumptions can be considered.

| Loading Condition | Consumption |
|-------------------|---------------------|
| Light Duty | 3 Kg/m ² |
| Medium Duty | 4 Kg/m ² |
| Heavy Duty | 5 Kg/m ² |

PACKAGING

MasterTop 100 is available in 25kg pack. Available in natural and colours.

SHELF LIFE

MasterTop 100 has a shelf life of 12 months. Store out of direct sunlight, clear of the ground on pallets protected from rainfall.

PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the Master Builders Solutions Material Safety Data Sheet (MSDS) from our office or our website.

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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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