

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
Abrasion Resistance (ASTM C779)	0.65mm at 60 minutes (33MPa concrete more than 1.4mm at 60 minutes)

Impact resistance (LA Rattler)	50% weight Loss (33MPa concrete has 70% loss of weight)
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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 day compressive strength of 25MPa. 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

It is highly recommended to use necessary PPE (Gloves, mask etc.) during installation of the product. In case of Incidents of direct inhalation, causing dizziness/giddiness, loss of consciousness, contact with eyes etc, seek immediate medical advice. The requirements may vary depending on the application areas. Please ensure to have proper ventilation while working in confined areas. Contact Master Builders Solutions representative in case you need further details or refer to the material safety datasheet of the product to know more.

MasterTop[®] 100

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