

MasterTop® 1210

Multi component solvent free epoxy floor coating system

DESCRIPTION

MasterTop 1210 is a multi component solvent free epoxy floor coating system designed to offer continuous seamless floor protection at thicknesses between 0.5mm-1.5mm. **MasterTop 1210** may be applied to produce either a smooth or profiled finish.

PRIMARY USES

MasterTop 1210 has good wear and abrasion resistance and is suitable for use in many industrial applications. It can be used as a surface coating where a hygienic and high gloss appearance is required.

It provides impermeable protection against common oils, greases, lubricants, aviation fuels or oils such as Skydrol. In addition it offers good general chemical resistance, but as in all corrosive situations, a full analysis of operating and exposure conditions is required, followed by reference to chemical resistance data to ensure product suitability.

MasterTop 1210 may be applied in the following industries NB This gives examples only and does not constitute a full and comprehensive list. For further information on application possibilities contact Saudi Master Builders Solutions Technical Department.

Pharmaceutical and other medical laboratory situations.

- Industrial production facilities
- Light engineering workshops
- Aircraft hangars and maintenance areas.
- Warehouses
- Utility rooms and corridors
- Vehicle movement areas

ADVANTAGES

- Good wear and abrasion resistance.
- Easily applied.
- Smooth high gloss finish for hygienic applications.
- Good general chemical resistance.
- Limited maintenance.
- Durable

PACKAGING

MasterTop 1210 is supplied as a 34 kg multi component pack (including color pack).

TYPICAL PHYSICAL PROPERTIES

	25°C	40°C
Pot life	40 mins.	22 mins.
Curing time	15 hours	10 hours
Mixed density at 25°C	1.556	
Maximum service temp	60°C	
Compressive strength (ASTM C579-93)		
1 day	36	49
3 days	70	71
14 days	79	80
Flexural Strength (BS 6319 Part 3)	19.0N/mm ²	
Tensile Strength (BS 6319 Part 7)	15.0N/mm ²	
Slip resistance (TRRL rubber)	104	

GUIDE TO APPLICATION

Remove all surface laitance, oil, grease or any defective concrete that will reduce the bond of the **MasterTop 1210** to the substrate.

The surface over which the **MasterTop 1210** is to be laid must be flat and suitably prepared.

Surface irregularities must be ground down or filled out with **MasterBrace ADH 2200** or repair materials from the **MasterEmaco** range.

A light etch giving the texture of medium grit sand paper is the ideal surface profile for the application of **MasterTop 1210**, this can be achieved by light grit blasting, capture blasting or surface grinding.

After all preparation has been completed, ensure dust is removed from the surface preferably by vacuuming.

Prior to application, **MasterTop 1210** should be stored under cover in an air-conditioned environment and protected from extremes of temperature which may cause inconsistent workability, finish and cure times for the mixed material.

SEALING:

All porous concrete surfaces to be overlaid with **MasterTop 1210** must be sealed with a coat of **MasterTop 1200** with the addition of 0.5ltr of **MasterTop Thinner No. 2**. Add the **MasterTop Thinner No. 2** to the base and reactor components, after they have been

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decanted into the mixing container, then mix the base and reactor components together until all striations have disappeared. Apply the mixed material to the dry substrate at the rate of 6-8 m² / ltr. using a medium or short hair roller. Allow the sealer to become completely tack free before over-coating with **MasterTop 1210**.

MIXING:

Pour the reactor into the base container, add the color pack and mix using a drill and spiral mixing head until all striations have disappeared and a uniform color is obtained (for a minimum of 1 minute). Add the **MasterTop 1210** aggregate, whilst continuing to mix for a further 2 minutes or until it can be seen that the mixed material is lump free.

APPLICATION:

To achieve a smooth finish at 0.5mm apply the **MasterTop 1210**, as a single coat with a notched trowel or similar. At thickness greater than 0.5mm, use pin screed, trowel or airless spray.

The coating should be rolled with a spike roller as soon as possible after application to achieve a uniform finish. The applied coating should be rolled a second time after first rolling, to assist with final surface finish. Continuous rolling does not harm the product while it is still fluid. Always wear spiked shoes when rolling the **MasterTop 1210** with a spiked roller.

YIELD

A 34 kg unit will yield 21.85 liter of mixed material.

MasterTop 1210 systems are supplied in pre-weighed packs which should not be split or divided. It is important to use complete packs.

EQUIPMENT CARE

Remove uncured **MasterTop 1210** from tools and equipment using **MasterTop Thinner No. 2**.

STORAGE

Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction and protect from extremes of temperatures. In tropical climates the product must be stored in an air conditioned environment.

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 vapor until products 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 Master Builders Solutions representative.

Master Builders Solutions reserves the right to have the true cause of any difficulty determined by accepted test methods.

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QUALITY AND CARE

All Master Builders Solutions Products are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards of ISO 9001 and Master Builders Solutions ESHQ recommendations.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC-Group in many countries

CONTACT

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Disclaimer:

In view of widely varying site conditions and fields of application of our products, this technical data sheet is meant to provide general application guidelines only. This information is based on our present knowledge and experience. The customer is not released from the obligation to conduct careful testing of suitability and possible application for the intended use. The customer is obliged to contact the technical help-line for fields of application not expressly stated in the technical data sheet under "Fields of Application". Use of the product beyond the fields of application as stated in the technical data sheet without previous consultation with Master Builders Solutions and possible resulting damages are in the sole responsibility of the customer.

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