

MasterTop[®] 1210CP

High-build solvent free epoxy coating system for traffic deck protection

DESCRIPTION

MasterTop 1210CP is a multi component solvent free epoxy coating system designed for application at a total thicknesses between 1.0-2.0 mm on basement and ground floor car parks, or on intermediate traffic decks exhibiting little or no structural movement.

MasterTop 1210CP may be applied to produce a durable medium or heavy-duty profiled finish.

TYPICAL APPLICATIONS

MasterTop 1210CP has good wear and abrasion resistance and is suitable for use on many traffic deck applications.

MasterTop 1210CP provides a seamless coating for concrete to protect against vehicle related spillages such as common oils, greases, lubricants, aviation fuels or AC fluid. 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 1210CP may be used in the following applications:

- Car production and storage facilities.
- Aircraft hangars and maintenance areas
- Car workshops
- Traffic decking
- Pedestrian walkways

NB This gives examples only and does not constitute a full and comprehensive list. For further information on application possibilities contact Master Builders Solutions Construction Chemicals LLC.

ADVANTAGES

- Good wear and abrasion resistance
- Easily applied
- Profiled finish for slip resistance
- Good general chemical resistance
- Limited maintenance

PACKAGING

MasterTop P 651	25.4kg
MasterTop P 650	15kg
MasterTop 1210CP Kit (Including MasterTop Color Pack)	32kg
MasterTop SR 3	25kg
MasterTop SR 2	25kg
MasterTop TC 443LM	20kg
MasterTop TC 449	5kg & 22.5kg
Optional UV top coats	
MasterSeal TC 257	22.5kg
MasterSeal TC 258	24kg

TYPICAL PROPERTIES*

Laboratory tests carried out at 25°C

Pot life @25°C	40 min
@40°C	22 min
Curing time @25°C	15 h
@40°C	10 h
Maximum service temp	60°C
Flexural Strength ASTM C580	>40 N/mm ²
Tensile Strength ASTM C307	>18 N/mm ²
Slip resistance BS 7976 Part 2	Dry 114, Wet 64
Bond strength ASTM D4541	>2.0 N/mm ²

CLEANING

Remove uncured **MasterTop 1210CP** from tools and equipment using any proprietary Xylene based, or similar solvent cleaner.

LINEMARKING

MasterTop TC 443LM Line Marking Coating

LINEMARKING (100mm Wide)

Approx. 0.025 L / lm (100mm Wide)

Approx. 100 microns

Note: If any signs of transparency and if necessary, to achieve a solid colour apply a second coat following recommended application rate.

MasterTop® 1210CP

Estimating Guide	Mixed pack weights	Application rate	
		Medium duty	Heavy duty
Primer / Sealer Coat			
MasterTop P 651 (for more dense, less porous substrates, use MasterTop P 650 primer)	25.4 kg	N/A	0.3-0.35 kg/m ²
MasterTop P 650	15 kg	N/A	0.15-0.30 kg/m ²
1 st Coat Application			
MasterTop 1210CP with MasterTop Color Pack	32 kg	0.25 kg/m ² (0.16 L/m ²)	0.55 kg/m ² (0.35 L/m ²)
MasterTop SR 2 Aggregate for broadcast OR	25 kg	0.6 kg/m ²	2.0 kg/m ²
MasterTop SR 3 Aggregate for broadcast	25 kg	0.6 kg/m ²	2.0 kg/m ²
2 nd Coat Application			
MasterTop 1210CP with MasterTop Color Pack	32 kg	0.50 kg/m ² (0.32 L/m ²)	0.55 kg/m ² (0.35 L/m ²)
Approx. total mixed resin		0.75 kg	0.5 L
Approx. total system DFT		1.0 mm	2.0 mm
Optional UV resistant top coat			
Optional 1 - MasterSeal TC 257	22.5 kg	0.25 kg/m ²	0.25 kg/m ²
Optional 2 - MasterSeal TC 258	24 kg	0.25 kg/m ²	0.25 kg/m ²

Note: Refer to the Method Statement for Thin Section Epoxy Repairs if required for a scratch coat to be applied using **MasterTop P 650**.

STORAGE AND SHELF LIFE

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. The shelf life is 12 months when stored as above.

HEALTH AND SAFETY

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 vapour until products are fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use.

QUALITY AND CARE

All products originating from Master Builders Solutions 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 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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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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