

MasterTop[®] 1260

Durable coloured floor coating

DESCRIPTION

MasterTop 1260 is a durable floor coating based on a hard wearing, two-component polyaspartic resin system. The cured floor provides excellent resistance to both chemical and mechanical damage. **MasterTop 1260** has a user-friendly mix ratio and pot life and provides a hard, durable and glossy film. **MasterTop 1260** may be applied to a wide variety of substrates (concrete, masonry, timber etc) and can be coloured to suit the environment.

RECOMMENDED USES

Floors and as a corrosion resistant coating to most construction materials in:

- Workshops
- Chemical industries
- Pharmaceutical and cosmetic facilities
- Food and drink processing plants
- Electronic and electrical industries
- Mining industries
- Water and sewerage treatment plants
- Warehouses
- Multi-level carparks
- Topcoat for MasterSeal Traffic and Roof Systems, as required

FEATURES AND BENEFITS

- Simple mix ratio – easy to break down kits for convenient application.
- Excellent durability – suitable for forklift traffic
- High resistance to chemical and mechanical attack – suitable for chemical industries
- Thixotropic - can be applied to vertical and horizontal substrates.
- Gloss finish -enhances work environments and is easy to clean.
- Non-skid textures available – reducing potential for accidents.
- Fast curing – able to do two coats in one day

PROPERTIES

Supply form	Liquid
Colour	Grey and clear other colours on request
Mix Ratio	1:1 v/v
Volume solids	100%

Application temperature	Min 5°C Max 35°C
Temperature resistance (200 microns DFT)	Max 100°C dry heat 80°C hot water
Elongation	73%
Tensile strength	17MPa
Shore A	90
Tear strength	56kg/cm
VOC content (ASTM D 3960) g/L	63

PERFORMANCE DATA

Dry film thickness 200 microns (2 coats)
250-300 microns (non-skid)

Abrasion Resistance High

Gloss Finish High

Resistant to a wide range of chemicals after full cure including:

- Diesel and motor oils
- Cooking oils
- Acetic Acid 5%
- Hydrochloric acid 20%
- Sodium Chloride 50%
- Cutting oils
- Petrol
- Fruit juice
- Ethanol 30%
- Ammonium chloride
- Oleic Acid

Refer to BASF for more information.

APPLICATION

The compressive strength of the substrates shall not be less than 25 N/mm². The substrates in contact with the ground must have a vapour barrier installed in compliance with DIN 18195 or equivalent, or be primed with MasterEmaco 2525. The moisture content of the substrate shall not be higher than 8% throughout (test by using CM equipment). The temperature of the substrates must be at least 3°C above the current dew point temperature. Correct substrate preparation is critical for optimum performance.

Remove oil, grease and wax contaminants by scrubbing with industrial grade detergent or degreasing compounds followed by mechanical cleaning.



We create chemistry

MasterTop® 1260

Cement laitance, loose particles, mold release agents, curing membrane and other contaminants must be removed from the surface by shot-blasting, Blastac®, scarifying or grit-blasting followed by vacuum cleaning. After pre-treatments of the substrate, the bond strength of the substrate must be at least 1.5 N/mm² (check with an approved pull-off tester at load rate 100 N/s). A surface profile of CSP 2 or 3 is required for good adhesion

Fill surface irregularities such as blowholes, cracks, honeycombs, etc with a MasterEmaco repair mortar to achieve a smooth and level surface.

Protect walls and columns against resin splashes using masking tape and polythene sheeting.

Mixing

It is advisable to break kits down to a maximum of 4 litre mixes unless sufficient labour is available to apply to the floor. A 4 litre mix can mixed by hand or slow speed drill (less than 300rpm) and should be applied to the floor without delay.

Premix Part B (iso) and thoroughly mix to ensure all the pigment is dispersed. Add Part A (poly) and continue to mix for 1 minute. Ensure all containers are empty before disposal.

Application

Apply by brush or roller to the prepared surface. A minimum of two coats must be applied. Place all mixed material on the floor to extend open time. The first coat may be thinned up to 10% with MasterSeal 955 to aid penetration. Where a non-slip finish is required the non-slip aggregate must be broadcast evenly into the first coat and the excess removed before applying second coat.

The size and quantity of aggregate broadcast should be selected to provide the required degree of slip resistance and is best determined by the trial area. The use of MasterTop F1 and F5 Fillers are suitable as non-slip aggregates.

CURING

Cure time will vary depending on the ambient and substrate temperatures. **MasterTop 1260** will cure to a tack free surface within 1.5 hours at 23°C and is overcoatable after 2.5 hours and not more than 36. **MasterTop 1260** should be protected from traffic and spillage for at least 24 hours. Full chemical and mechanical resistance is obtained after 3 days @ 23°C.

ESTIMATING DATA

Over dense surfaces with texture similar to fine-medium sandpaper, the coverage rate is 10-12m² per litre per coat. On more porous surfaces or in non-skid textures, typical coverage rate is 9-11m² per litre per coat.

MasterTop 1260				
L	Thickness in mm /m ²	m ³	kits /m ³	m ² /mm thickness
8	8mm	(0.08)	125	8 m ²

PACKAGING

MasterTop 1260 is supplied in 8 litre kits comprising:

Part A: 4 litres

Part B: 4 litres

SHELF LIFE

MasterTop 1260 can be stored in tightly closed original containers for 12 months in controlled environments.

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 BASF Safety Data Sheet (SDS) from our office or our website.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF 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 BASF either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF, are responsible for carrying out procedures appropriate to a specific application.

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