BASF
The Chemical Company

MASTERTOP® 1210

Pigmented, Solvent Free, Two Component, Self-leveling, Epoxy Resin Fine Coating.

Description of Product

MASTERTOP® 1210 is a pigmented solvent free, two component, self-leveling, epoxy resin fine primer.

Fields of Application

- Parking lots
- Control rooms
- Pharmaceutical and other medical or laboratory situations.
- Beverage production - including soft drink manufacturing.
- Engineering - including car production and aircraft maintenance units.
- High stack warehouses, production and packing areas.

Features and Benefits

- Anti-bacteriologic surface
- Hygienic
- Easy to clean and maintain
- High adhesive strength
- Smooth surface

Application Procedure

Preparation of Substrate

Before coating with **MASTERTOP® 1210** surfaces should be primed with **MASTERTOP®** pre-coating materials. Pre-treatment is only necessary when the re-coating interval of the conductive layer has been exceeded. When applying **MASTERTOP® 1210**, the temperature of the substrate must be at least 3°C above the current dew point temperature.

Mixing

MASTERTOP® 1210 is supplied in working packs which are pre-packaged in the exact ratio. Before mixing, both A and B components are preconditioned to a temperature of approximately +15 to +25°C. **MASTERTOP® 1210** A is pigmented. Mix component A with a mechanical drill and paddle

Technical Data

Material **MASTERTOP® 1210** Component A **MASTERTOP® 1210** Component B	 Epoxy resin Epoxy hardener
Colour	Miscellaneous RAL
Mix density	1,68 kg/liters
Compressive strength (TS EN 196) (7gün)	60 N/mm²
Elongation strength (TS EN 196) (7gün)	25 N/mm²
Tensile strength (TS EN 196) (7gün)	> 2 N/mm²
Substrate temperature	+10°C +35°C
Service temperature	-20°C +80°C
Pot life	30 minutes
Ready for foot traffic +10°C +20°C +30°C	 7 days 3 days 2 days
Fully cured	7 days

All figures at 23°C with a relative humidity of 50%. Higher temperatures cause shorter cure times and vice versa.

TÜV CERT DIN EN ISO 9001 Zertifikat: 01 100 012854
TÜV CERT DIN EN ISO 14001 Zertifikat: 01 104 052205
TÜV CERT OHSAS 18001 Zertifikat: 01 113 050239

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at. 300-400 rpm. Scrape the sides and the bottom of the container several times to ensure complete mixing. Keep the mixer blades submerged in the coating to avoid causing air bubbles. Pour the entire contents of part B into the container of part A. After mixing properly for at least 3 minutes until a homogenous consistency is obtained, pour the mixed parts **MASTERTOP® 1210 A+B** into a fresh container, set it aside for a while and mix for another minute.

MASTERTOP® 1210 is supplied in ready to use packs in exact ratios. If desired **MASTERTOP® 1210 FILLER F1A** can be added in 1/0,3 - 1/0,5 as supplement.

Mixing Ratios

MASTERTOP® 1210	Component A	Component B
Mix amount	22,40 kg	4 kg
Mix density	1,68 kg /liters	

Mix density reaches 1,90 kg/liters when 1/0,3 ***MASTERTOP® 1200 FILLER F1A*** *is added to* ***MASTERTOP® 1200i***

Application Method

Pour the mixed material onto the primed and sealed surface, and spread to the required thickness using a notched trowel. As soon as **MASTERTOP® 1210** has been spread to the required level, the applied material should be rolled with a spiked roller to release entrapped air and remove trowel marks.

Coverage

1-1,5mm self-leveling coating

Use	Material	Coverage (kg/m^2)
Primer	**MASTERTOP® P677 Z**	0,35 - 0,50
Sand blast	Sand No 2	1,00 - 1,50
Pre-coating.	**MASTERTOP® P677 Z**	0,35 - 0,50
Filling sand	Sand No 3	0,35 - 0,50
Blast sand	Sand No 2	1,00 - 1,50
Pore Sealer	**MASTERTOP® 1210**	0,30 - 0,40
Coating	**MASTERTOP® 1210**	1,30 - 1,40

MASTERTOP® 1210 can be used as a supplement to **MASTERTOP® 1220**, **MASTERTOP® 1230** Coverage may vary. Please refer to Coverage data sheets. For exact Coverage amounts please refer to the system analysis data sheets.

Watchpoints

- Avoid application under excessive heat or wind and/or when the ambient and/or substrate temperature is below +5 or above +35°C.
- As the application material should have the same temperature as the ambient and substrate temperature, make sure it has been stored for at least 1-2 days at the same temperatures before coating.
- In cold conditions, the ambient, substrate and material temperatures should be preconditioned to +20 - +25°C .
- Permissible relative humidity 60% at +10°C, 85% at +30°C max.
- Polyurethane and epoxy floor coatings should be applied by specialists.
- Expansion joints should be taken into consideration.
- Reaction times depend on the ambient and substrate temperatures as well as relative humidity. Under lower temperatures the reaction time is longer and the Coverage is increased as the viscosity gets higher. High temperatures ignite stronger chemical reactions. For the material to be cured properly, the ambient and substrate temperatures should not fall below specified limits. After application, the material should be protected from direct contact with water for approximately 24 hours. Within this period, contact with water can cause a surface carbonation and/or surface tackiness, both of which must be removed. In such cases the overall coating should be removed from the floor and renewed.
- **MASTERTOP® 1210** is supplied in ready-to-use sets which are pre-packaged in the exact ratio. No solvent should be added.
- DO NOT MIX BY HAND. Mix with a mechanical drill and paddle at 300-400.

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- After mixing properly until a homogenous consistency is obtained, pour the mixed parts A and B into a fresh container and mix once again.
- Empty packs should be consolidated and disposed of properly.

Cleaning of Tools

Used tools and equipment must be cleaned carefully with an appropriate solvent: Once fully cured **MASTERTOP® 1210** can only be removed by mechanical means.

Packaging

Component A : 22,4 kg drum
Component B: 4 kg drum

Storage

Store in unopened, original containers, under dry and cool conditions and protect against frost. For short term storage, do not stack more than 3 packs on each other and dispatch on a first come first go basis. Packs should not be stacked on each other in long term storage.

Shelf Life

12 months in original unopened packing. Opened packages should be consumed in 1 week.

Health and Safety Precautions

It is dangerous to approach to storage and application sites with fire. Fresh air should be circulated at storage and application sites.
The following protective measures should be taken when working with the material: Wear safety gloves, goggles and protective clothing.
Because of the irritation effects of the uncured material, components should not come in contact with the skin, or eyes. Under such circumstances, the effected area should be washed with plenty of water and soap. If swallowed, seek medical attention immediately.
Do not drink or eat at the application site. Keep out of reach of children.
For detailed information please refer to the safety information form (material data sheet).

Disclaimer

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