



The Chemical Company

MASTERTOP® 535

PERIPLAN 10

Cement Based, Self Levelling Flooring Compound

Description of Product

MASTERTOP® 535, is a cement based, ready to use, self levelling flooring compound.

Fields of Application

- Indoors and in dry environment,
- In hospitals,
- In stores,
- In schools and administrative buildings,
- In hotels,
- In shopping malls,
- In houses, used for levelling uneven, irregular substrate prior to laying ceramic tiles, marble, natural stone, carpet and vinyl.

Features and Benefits

- Easy and quick to apply.
- Mixed only with water.
- Self levelling.
- Pumpable.

Application Procedure

Preparation of Substrate


The surface should be firm, free of dust, dry, clean and be strong enough to support the weight. Any oil, grease, rust, gypsum, wax and paint residues and there mustn't be any loose particles on the surface. Joints, cracks etc. must be repaired prior to the application. In large areas applications levels should be determined by gridding.

Priming

In order to prolong the working time of **MASTERTOP® 535** levelling compound, to enhance the adherence to the floor and to minimize air bubbles

- **Astar A®**, is applied with a brush or roller after diluting with water at a ratio of 1/1. On very absorbent surfaces a second layer is applied.
- After the drying test, other operations can proceed. (Coverage: In one layer 100 - 150 gr/m² diluted with water)

Technical Data

Material Structure	Contains mineral fillers and polymer reinforced special cement	
Colour	Gray	
Compr. Strength (TS EN 196) (28 days)	15 N/mm ²	
Tensile Strength (28 days) Applicat.	>1 N/mm ²	
Thickness	3 - 10 mm	
Temp Range of the Surface	+5°C +25°C	
Setting Time	35 minutes	
Initial Curing Time	5 hours	

The above values are given for +23°C de and 50 % relative humidity. Higher temperatures will shorten the times and lower temperatures will prolong.



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These values may change depending on the absorbency of the surface, ambient temperature and humidity. It can be continued with other applications on the surface 24 hours after **Astar A®** application.

Mixing

Correct amount of water is poured into a clean mixing bucket using a measuring cup. **MASTERTOP® 535** is added gradually and the mixture is mixed with a 400-600 rpm mixing equipment for 3-5 minutes until a homogenous, lump free mixture is achieved. The mixture is allowed to rest 3-5 minutes and then after mixing for 30 seconds the product is ready to use.

Note : To achieve a seamless and smooth coating, an uninterrupted application should be made. Therefore, depending on the size of the application area, more than one mixing bucket should be used to provide an uninterrupted application and the prepared mixture should be poured successively on the surface for an effective coverage.

Mixing Ratios

MASTERTOP® 535	For 1 kg powder	For 25 kg bag
Water in the Mixture	Max. 0,20 litre	Max. 5,00 litre
Density of Mix	2,05 kg/litre	

Application Procedure

The mixture should be spread on the surface with a toothed trowel or adjustable trowel at the required thickness. The compound spreads evenly by self levelling. Do not add water during setting and release any entrapped air in the surface with a spike roller. **MASTERTOP® 535** shouldn't be applied at temperatures below +5°C and sudden fluctuations in temperature should be prevented. Application shouldn't be carried out in areas with low humidity, higher ambient temperatures, and which are exposed to sun and wind.

Coverage

1,71 kg/m² powder for 1 mm thickness

Watchpoints

- If the ambient and surface temperatures are less than +5°C and more than +25°C, suitable temperatures should be waited for the application. Furthermore, it shouldn't be applied at extremely hot, wet or windy weathers.
- Materials to be used at suitable temperatures should be brought and stored in the application area 1-2 days prior to the application and enabled to adjust the ambient conditions.
- In extremely cold weathers, heater should be used to increase ambient and surface temperature; and in order to increase the workability of the product the packages should be conditioned at +20-+25°C to become ready to use.
- Applications should be carried out by suitably qualified people.
- Working and reaction times of cementitious systems are affected by ambient and surface temperature and relative humidity in the air. Hydration slows in lower temperatures and this increases pot life and working time. Higher temperatures increase hydration and the above mentioned times decreases accordingly. In order for the material to complete setting, ambient and surface temperature should not drop below the allowed minimum temperature.
- The compound should be allowed to rest after mixing and then mixed again prior to application.
- At least 3 days should pass for any other work (wooden parquet, vinyl etc) after a **MASTERTOP® 535** applications.
- Fast drying should be prevented after the product is applied. Applied material should be avoided from contacting with water.

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Cleaning of Tools

Tools and equipment should be cleaned with water after the application. Hardened **MASTERTOP® 535** can only be cleaned from the surface by mechanical means.

Packaging

In 25 kg polyethylene reinforced kraft bags

Storage

It should be stored in its original package, in a cool and dry place protected from frost. For short term storage, maximum 3 palettes should be placed on top of each other and the shipment should be made on a first come first go basis. Palettes should not be placed on top of each other during long term storage.

Shelf Life

The shelf life is 12 months from the date of production under suitable storage conditions. Opened packages should be stored under suitable storage conditions and used within 1 week.

Health and Safety Precautions

During application, protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes, in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or drink should be brought into the application area. It should be stored and kept out of reach of children.

For detailed information please consult the Material Safety Data Sheet.

Disclaimer

Data included in this technical document is based on our scientific and practical information. BASF Yapı Kimyasalları San. A.S. is only responsible for the quality of the product.

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