

MasterTile WP 666 (formerly known as LASTOFLEKS)

Multi purpose flexible bonding additive to be mixed with tile-adhesives and water proofing materials.

Description

Multi purpose bonding agent for MasterTile 14, and MasterTile 15 which improves the elasticity, waterproofing and bonding properties of the material. Also used as second component of MasterTile WP 666

Fields of Application

- For interior and exterior application,
- For walls and floors,
- To be mixed with MasterTile 14 and MasterTile 15 to achieve better deformation properties,
- For fixing of tiles on large areas and on substrates exposed to high temperature changes,
- On floor heating system, balconies, terraces, pre-cast concrete elements, on facades and in swimming pools.

Properties

- Gives elasticity to tile adhesives, which can take expansion of substrates caused by temperature changes,
- Good bonding properties improves the bonding strength on absorbent and non absorbent mineral substrates,
- Water and frost resistant, universal, suitable for indoors and outdoors, on walls and floors,
- Suitable to DIN 1322.

Tile Adhesive

MasterTile 14 + MasterTile WP 666

- For fixing of ceramic tiles, split tiles, porcelain and glass mosaic, fully vitrified tiles and large formatted stoneware and other dense ceramics.
- On absorbent and non absorbent substrates, e.g. concrete, aerated concrete, render and plaster, anhydrite and cement screeds, mastic asphalt.
- On plaster slabs, gypsum boards, gypsum fiber and insulating boards.

- Gives a flexible, water and frost resistant tile adhesive for the tined method up to 6 mm

Medium Bed Tile Adhesive

MasterTile 15+ MasterTile WP 666

- For fixing of split tiles, natural stone

and fully vitrified tiles, large formatted stoneware as well as brick dies, e.g. cotton and hand formed tiles.

- Gives a flexible, water resistant tile adhesive for thicknesses from 5 to 15 mm.

Technical Properties

Material Composition	Modified synthetic resin dispersion.
Density	approx. 1.05 g/cm ³
MasterTile 14 + MasterTile WP 666	
Substrate Temperature	+5°C - +25°C
Service Temperature	-20 °C - +80 °C
Rest Time	5 minutes
Working Time	3 hours
Open Time	20 minutes
Walkable After	24 hours
Bonding, Thickness	max. 5 mm
MasterTile 15 + MasterTile WP 666	
Substrate Temperature	+5°C - +25°C
Service Temperature	-20 °C - +80 °C
Rest Time	5 minutes
Working Time	3 hours
Open Time	20 minutes
Walkable After	24 hours
Bonding Thickness	max. 15 mm

Application

Surface Preparation

Must be suitable to DIN 18202.

Cement Based Surfaces

Surfaces must be firm, dry, load bearing, free of loose and brittle particles and substances which impair adhesion such as oil, grease, paraffin etc. Repairs higher than 20 mm. thickness have to be done with or MasterEmaco S 488 2 days before the application.

Gypsum Based Surfaces

High absorbent surfaces like gypsum based, prime with ASTAR A in two coats; first dilute ASTAR A 1:1 ratio by water. 24 hours after priming application can start.

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Mixing

Refer to the Mixing Ratios section for proper mixing ratios. Pour MasterTile WP 666® and water to a clean container and mix until reaching a homogenous mixture, then pour the powder in to the liquid and mix with a proper mixing device until reaching a homogenous mixture. Wait for rest up to 5 minutes and mix again.

Mixing Ratios

25 kg MasterTile 14 + 4 kg
MasterTile WP 666® +5.5
kg water.

25 kg MasterTile 15 132 + 4 kg
MasterTile WP 666®* +3.5
kg water.

Application Procedure

Mix proper amounts can be used in 20 minutes. Apply with a notched trowel in one-way if possible. It is advised to put some amount of mortar to the back side of tile in order to compensate the irregularities on the surface. Apply the tiles with slow skidding motions on to the surface. Leave appropriate joint width and use MasterTile 700 or MasterTile FLX 555 to fill the joints. Grout application can start 24 hours after application.

Thickness of Notched	Trowel
Edge Length of	Thickness
<50 mm	3 mm
50 mm	4 mm
50 mm - 108 mm	6 mm
108 mm -200 mm	8mm
> 200 mm	special consumption

Watch points

- Bonding thickness of MasterTile 14 have to be less than 5 mm,
- Bonding thickness of MasterTile 15 have to be less than 15 mm,
- Make necessary pretreatment if the substrate temperature is less than +5C, or greater than +30°C,
- Avoid from, sunlight, frost, rain and water up to 24 hour after application.
- Proper mixtures have to be used in 20 minutes, if necessary apply finger test. Do not add any extra water or powder to the mixture.
- MasterTile WP 666® added MasterTile 14 reaches to its time strength within 14 days at 23°C in low temperatures drying time can increase.

Storage

- Do not store under 0C,
- In proper conditions, storage time is 12 months.

Cleaning of Tools:

Wash with water just after application.

Disclaimer

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed.

For additional information or questions, contact your local BASF representative.

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