

MasterTile® P 302

Solvent-free modified resin dispersion wash primer / protective primer for walls and floor

DESCRIPTION

MasterTile P 302 is a multi-purpose, acrylic, moisture barrier/primer for use before tiling and application of Master Builders Solutions **MasterTile WP 668**. It protects thin bed mortars and levelling compounds from rapid absorption of water, increases open time, improves adhesion and prevents formation of shrinkage cracks. Its blue colour allows easier coverage control.

TYPICAL APPLICATIONS

- For indoor and outdoor use.
- For walls and floors.
- Acting as a moisture barrier and primer for plaster, plaster slabs, gypsum fibre boards, plaster boards, aerated concrete, concrete, asphalt, render and brickwork before tiling and wallpapering.
- Primer for anhydrite screeds and building boards.
- Primer for aerated concrete, sand-lime brick, brickwork and concrete on walls prior to the application of plaster and lime plastering.
- Primer for mastic asphalt screeds prior to the application of Master Builders Solutions tile adhesives.
- Priming prior to the application of self-levelling floor levellers, e.g. **MasterTop 528** and other mortars and anhydrite screeds which set through hydration.
- Primer to strengthen mealy, absorbent screed surfaces and plasters indoors prior to the laying of tiles and mosaic.
- For priming absorbent substrates to protect subsequent materials from rapid dehydration.

ADVANTAGES

- Solvent-free, no damage to environment and operative by solvent vapours. No danger of fire or explosion. No harmful vapours
- Improves the strength and solidity of substrates and helps increase adhesion of tiles, plasters and wallpapers

- Secure adhesion, Master Builders Solutions tile adhesives provide a good bond to **MasterTile P 302**
- Protects thin-bed mortars and levelling compounds from too rapid dehydration, extends the open time, improves adhesion and prevents formation of cracks caused by shrinkage
- Prevents formation of air bubbles and too rapid dehydration when levelling floors with **MasterTop 528** or **MasterTop 538**
- Complies with the guidelines issued by the German Gypsum Industry Association and the recommendation DIN 18157-1

PREPARATION OF SUBSTRATE

The substrate must be sound, clean and able to bear weight. Oil stains, bond-breaking residues such as waterproof adhesive residues, cement paste, and dirt must be thoroughly removed. Newly applied cement screeds must not have a moisture content above 4%, ground anhydrite and/or gypsum-based screeds not more than 0.5% (measured with CM meter).



MasterTile P 302 helps improve adhesion of plaster and lime plastering to brickwork.

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TECHNICAL DATA*

Material

Material base	modified acrylic resin dispersion
Control Colour	blue
Shelf life	12 months when stored in dry conditions
Packaging	20 L pail
Components	1 part
Density	approx. 1.0 g/cm ³
Storage	no permanent storage over +40°C, but not below -10°C. Frozen MasterTile P 302 should be slowly thawed and stirred thoroughly.

APPLICATION

Substrate	consumption	mixing ratio
Gypsum based substrates; anhydrite screeds, mastic asphalt screeds, xylolith screeds; screeds with old adhesive residues	approx. 80 to 150 ml / m ²	undiluted
Absorbent mineral substrates, e.g. concrete, sand-cement screeds, gauged renders, aerated concrete, limestone or similar	1st coat approx. 100 to 200 ml / m ² 2nd coat approx. 50 to 70 ml / m ²	diluted 1 : 1 with water diluted 1 : 1 with water
Working temperatures	+5°C to +40°C (substrate temperature)	
Curing times* - walkable after - 2nd coat after - ready for further application after	approx. 30 – 60 min approx. 30 – 60 min approx. 60 – 180 min (depending on the absorbency of the substrate as well as temperature and humidity).	
Temperature resistance of cured film	-20°C to +80°C	

* At +23°C and 50% relative humidity. Higher temperatures reduce, lower temperatures increase the times given.

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APPLICATION GUIDELINES

Priming and strengthening of gypsum-based substrates, anhydrite, mastic asphalt and xylolith screeds as well as screeds with old adhesive residues (not suitable with water soluble adhesive residues, e.g. sulphite liquor adhesives):

1. Stir **MasterTile P 302** well prior to the application.
2. Apply a sufficient quantity of undiluted **MasterTile P 302** by brush or float to achieve a uniform coat. Avoid puddles forming!
3. Check strengthening and curing by scratching the surface. Do not apply tile adhesive, wallpaper, paint, plaster **MasterTop 528**, **MasterTop 538** until **MasterTile P 302** has completely cured.

Priming and strengthening of absorbent mineral substrates, e.g. concrete, sand-cement screeds, gauged renders, aerated concrete, limestone or similar:

1. Stir **MasterTile P 302** well, dilute 1 : 1 with water and mix thoroughly.
2. Apply a sufficient quantity of diluted **MasterTile P 302** by brush or float to achieve a uniform coat.
3. In case of very absorbent substrates it is recommended to apply a second coat of **MasterTile P 302**, diluted 1 : 1 with water to achieve a more intensive strength and to avoid bubbles forming. Do not apply the second coat until the first one has completely cured.
4. After the primer has cured (scratch proof) apply tile adhesive, wallpaper, paint, plaster, **MasterTop 528** or **MasterTop 538**.

Please note

- Do not apply at temperatures below +5°C and above +40°C.
- In case of partial tiling the entire wall area should be primed (e.g. behind the bathtub or above the tile covering).
- Prior to wallpapering on plaster/render, gypsum plasterboards etc. apply only one coat of **MasterTile P 302**, diluted 1:1 with water (consumption: approx. 100 to 140ml of diluted mix per m²).
- When wallpapering on substrates which were primed with **MasterTile P 302** the curing time of the wallpaper paste slows down. Do not paint over woodchip wallpaper etc. before the paste has completely cured.
- **MasterTile P 302** can be diluted 1 : 2 with water for the first coat on very absorbent substrates, e.g. aerated concrete.
- The recommendations by the gypsum manufacturer as regards the maximum permissible moisture content, layer thickness of gypsum-based substrates and surface properties must be followed.
- Avoid puddles forming when applying **MasterTile P 302** to floor areas.
- **MasterTile P 302** is not suitable for priming water-soluble adhesive residues (e.g. sulphite liquor adhesives).
- Adhesive residues of old coverings must be completely removed before laying natural stones.
- Clean tools with water immediately after use. Once the product has cured it can only be removed by mechanical means.
- Do not apply **MasterTile P 302** in underwater situations.

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HEALTH AND SAFETY

General information on dispersion products:
Do not allow dispersion to dry on the skin.
Protect eyes where there is risk from splashing.
In case of contact with eyes thoroughly rinse with water. If the eye irritation does not ease off within a few minutes seek prompt medical attention.

For further information refer to the Material Safety Data Sheet.

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

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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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