

# Processing sheet

## futado base

### wall and floor filler / Status: 01.09.2022

#### Description

futado base is a jointless wall and floor coating with an application thickness of 1.5 - 3.0 mm, depending on the application. futado base can be used both in private and commercial premises. The mineral material is low-stress and therefore flexible, it consists of lime and a polymer dispersion.

#### Pre-treatment

##### Tiles & Slabs

The surface to be coated should be firm and load-bearing, loose tiles and natural stone slabs should be removed and replaced with new ones to ensure uniform absorption. Silicone and similar substances must be removed.

Tile and natural stone coverings must be thoroughly degreased with an alkaline solution and then neutralised with water. Building expansion joints and cracks must be professionally repaired!

After complete drying, "Haftgrundspezial" is applied over the entire surface as a bonding bridge. Depending on the joint pattern, we recommend using a stable levelling compound as a scratch coat. Alternatively, the surface can be levelled after priming with Futado "Ausgleichsmasse". This prevents shrinkage in the joint pattern and ensures sufficient coverage of the joints, accordance with Regulation (EC) No 1907/2006 (REACH); (EU) No 453/2010.

##### Note:

We recommend filling in the entire surface of the fabric. Primers are to be applied undiluted.

In the wet zone area of wall and floor coatings, the usual priority waterproofing work (sealing tapes, cementitious sealing slurry and fabric reinforcement) must be carried out.

##### Note

We recommend a sealing slurry without plasticizer/plasticizing agent exclusively for structural waterproofing. There is a risk that this will bleed through and attack the materials.

The prepared surfaces are to be coated with Futado "Fixgrund" before the Futado coating.

An electric floor heating system must not get hotter than a normal, water-bearing floor heating system, i.e. not above 35°C!

#### Lightweight walls

The surface must be filled with a full-surface fabric reinforcement and sanded to Q3 quality. Then pre-treat the surface with Futado "Fixgrund".

#### Walls

Are smoothed on site and must not be sanding or chalking. Walls must be reinforced and filled over the entire surface and pretreated with Futado "Fixgrund" after drying.

#### Showers

The floor is lined with a shower tray or a natural stone slab. The walls are to be filled with fabric reinforcement over the entire surface.

Futado wall filler is not a waterproof product in the sense of DIN/ SIA / DTU. The installer must take this into account and, in the case of wall coatings in the wet zone area, carry out the usual priority sealing work in accordance with DIN/ SIA, DTU (sealing tapes, sealing slurries, etc.) in accordance with the manufacturer's instructions.

Only cementitious bonded waterproofing systems are suitable, not plastic-modified liquid waterproofing or waterproofing and decoupling mats.

The prepared surfaces are to be coated with Futado "Fixgrund" before the Futado coating.

#### Floor

The surface to be coated should be firm and load-bearing, loose spots must be removed and levelled out with stable filler. Remove silicone and similar substances. The prepared surfaces are pretreated with Futado Fixgrund.

We recommend the use of a shower tray or tile flooring.

If the customer does not want a shower tray or a slab covering, but a futado floor covering, a minimum 2% slope to the drain must be provided by the customer.

Building expansion joints and cracks must be professionally reworked! The prepared surfaces are pre-treated with Futado "Fixgrund". The soil temperature should be set to a minimum of 8° C and a maximum of 20° C. The dew point must be taken into account here.

#### Note

Above 23 °C processing is not possible and at an air humidity above 75% colour irritation may occur during drying.

Should not be applied to flexible subsoil (wooden ceiling etc.)

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#### Preparation

For expert working keep the material ideally 24-48h before processing at a roomtemperature of min. 15°C.

#### Processing

The Futado wall and floor system consists of three components:

- Component A - Futado „Harz“
- Component B - Futado Pigmentation
- Component C - Futado base wall and floor Standard or fine

#### Mixing:

Add the pigment to the resin and shake well, then measure the appropriate amount

#### Mixing ratio futado base Standard:

1 kg base powder to 230 g pigmented resin

#### Mixing ratio futado base fine:

1 kg base powder to 230 g pigmented resin plus 5 % water per kg base powder

Pour the resin-pigment mixture into a clean and dry container. Add Futado Wall and Floor base Standard while stirring continuously. The pot life is approx. 60 minutes depending on the ambient temperature.

During processing of futado Fein, 1200 ml of water can be added to the complete mixture (container size 19.5 kg) (for container size 1.95 kg, the amount of water is reduced to 120 ml). However, care should be taken to ensure that the amount of water added remains the same in the individual mixes.

#### Apply

With Futado filler, a minimum application thickness of 1 mm per coat must be observed.

The handwriting of the first trowel pass gives the marble effect on the finished surface. With finer grit of the abrasive, the marbling effect can be enhanced.

#### Note

Work at a 20 degree angle and always diagonally in the room.

#### Grinding

After approx. 4 - 6 hours, the surface can be sharply removed with the Venetian trowel. The surface is then sanded by machine or by

hand (grain 80). This step simultaneously removes the sinter layers, which additionally promotes drying.

After sanding, the surface should be cleaned with an industrial vacuum cleaner.

Each additional coat can also be sharply peeled off diagonally after 4 to 6 hours. To avoid build-up, the top coat should be applied wet-on-wet. The total layer thickness in the floor and in the permanent wet area is min. 2 mm and max. 6 mm.

On decorative walls, the layer thickness can also be 1 to 2 mm.

#### Fine sanding and cleaning

After drying (at least 4 - 6 hours) of the last application layer, fine sanding is carried out to achieve the desired characteristics.

The surface appearance can already be examined after vacuuming before sealing.

#### Note

Drying time after 3 days depending on temperature and humidity. Before sealing the surface, check whether any impurities have appeared on the surface in the meantime. These must be removed beforehand.

#### Seal

Sealing varnish glossy and matt. For the first application, dilute with 5% water and apply with a paint roller.

After approx. 6-12 hours, the paint is rolled on again without thinning. In the living area, this is the second and thus last coating layer in gloss or matt.

In the permanent wet area, this is the second glossy coating layer. The third coating layer in the permanent wet area can be glossy or matt. The coating layers should be applied at intervals of 6 - 12 hours.

We always recommend futado 2K lacquer in matt as the last coat for a natural look. Both lacquers are certified with slip classification R10.

#### Note

Futado flooring can only be walked on to a limited extent during the drying period and only after consultation with the installation company.

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## Drying times / Curing

Set to foot traffic after 24 hours / Cured through after 7 days. Limited use: 1 day after sealing. Recommendation: After completion of the futado coating, it is recommended to cover the surface breathably (e.g. with paper, felt) for 3 days until sealing.

### Final strength

Reached 28 days after sealing.

Futado flooring can only be walked on to a limited extent during the drying period and only after consultation with the installation company.

## Processing temperature

Do not apply below +8 °C air and object temperature. Ideal for application at +15 °C to +20 °C air and object temperature.

Changes may occur due to technical developments. The latest edition of this information is valid. In special cases, please request separate technical information.

## Layer thicknesses / installation heights

Floors and Wet cells: min. 2 to max. 6 mm (each layer max. 1 mm thick).

## Characteristics

The craftsmen, the architect, the planner and the construction management are aware that Futado base always bears the handwriting of the craftsman and is part of the characteristics of Futado.

The structure and colour may vary from the pattern depending on the room temperature and humidity. Over time, as with any rigid covering, so-called hairline cracks or microcracks may appear, but these do not constitute a defect.

## Wall-floor connection

The wall and floor finishes shall always be made separately by using stainless steel rails and shall be considered with spacing between the horizontal and vertical surface joints. The joints between the horizontal and vertical finishing edges shall be filled with natural stone silicone.

## Recommendation

Without skirting boards, we recommend connecting with a wiper rail.

## Note

With regard to the danger of plasticiser migration, adhesive tapes must never be attached to the covering/sealing!

## Instructions for use for the user

There is an increased risk of damage during the first two weeks. The Futado floor reaches the desired values such as hardness, chemical resistance and sealing one month after application. Heavy furniture should not be dragged across the floor, as this may damage the surface.

Pieces of furniture such as chairs, tables or cupboards that have metal feet should be underlaid with felt glides. Otherwise metal abrasion may occur.

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