

Tile laying technology

ADHESIVE MORTAR FLEX WHITE KWF 61

- > dust reducing
- > excellent stability
- > very smooth
- > up to 20 mm layer thickness



Product description

White, powdery but dust-reducing, water and frostproof, highly tempered, hydraulically setting flexible adhesive mortar for laying adhesive bed thicknesses from 3 to 20 mm. For laying ceramic wall and floor tiles indoors and outdoors, boards, fine stoneware, natural stones and glass mosaic for increased thermal or static loads. Especially suited for laying tiles on tiles and for laying translucent, non-cupping natural stones.

Delivery format:

Container	Outer packaging	Pallet
25 KG / PS		48
8 KG / KTN		84

Storage:

Can be stored frost-free, cool and dry on wooden shelves in the unopened original container for: 365 days.

Processing

Recommended tools:

Low-speed electric agitator, suitable mixing vessel, brick trowel, sponge.
The notched trowel is to be matched with the corresponding material and substrate installed.

Mixing:

Take a clean mixing vessel and add this product to water using a slow-rotating mixer until a homogeneous and lump-free blend is obtained (mixing time approx. 3 minutes).

Processing:

Apply the mortar to the substrate in two steps. In the first step a thin contact layer is scratched open, in the second step the adhesive bed is combed onto the still wet layer with the corresponding toothing at a work angle of 45 - 60°. Rub the material to be laid into the fresh bed of mortar and remove any possible mortar residue with a wet sponge.

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In outdoor areas, such as swimming pools as well as areas under heavy loads, the combined laying process 'buttering floating' is to be used.

Perform an adhesion test for unknown types of stone.

Technical data

fully load-bearing	after approx. 3 - 4 days (depending on layer thickness)
Colour	white
Can be corrected within	approx. 5 min.
Consumption	Consumption by toothing: approx. 1.8 kg/m ² at 6 mm toothing, approx. 2.4 kg/m ² at 8 mm toothing, approx. 3.1 kg/m ² at 10 mm toothing
Open time	approx. 30 min
Rest time	none
Layer thickness	3 to 20 mm
Processing time	approx. 4 hrs
Jointable/accessible	approx. 12 - 24 hrs (depending on layer thickness)
Water consumption	approx. 0.27 l/kg (corresponds to 6.75 l / 25 kg)

Test certificates

Tested in accordance with (standard, classification ...)

EN 12004

EC1 Plus

Substrate

Suitable substrates:

Concrete
Cement screed
Anhydrite screed
Mastic asphalt
Plaster
Limecement plaster
Masonry
Gypsum plasterboard, Gypsum plasterboard
Smooth concrete
Aerated concrete
Wooden materials

Not suitable: on wood, metal, plastic, cement-bound substrate before final abatement of shrinkage.

The substrate must be dry, frost-free, solid, weight-bearing, dimensionally stable, free of dust, dirt, oil, grease, release agents and loose parts, and it must comply with the applicable technical national and European directives, standards and "generally accepted rules of the trade".

Product and processing instructions

Material instructions:

- When working outside the ideal temperature and/or humidity range the material properties may change significantly.
- Temper materials accordingly before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water dosing amounts or thinning specifications must be precisely kept!
- Check coloured products before use for colour consistency!
- Colour evenness can only be guaranteed within a batch.
- The colouring is significantly influenced by the environmental conditions.
- Mixed material which is already starting to stiffen may not be diluted further or mixed with fresh material!

Environmental advice:

- Do not process at temperatures below 5 °C!
- The ideal temperature range for material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative air humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay, lower air humidity and/or higher temperatures accelerate drying, setting and hardening.
- Ensure sufficient ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect from direct sunlight, wind and weather!
- Protect adjacent components! In outdoor areas, permanently wet areas, in heavy load areas as well as for natural stone and large format stone the combined process (buttering/floating) is to be used.
- Make sure children cannot access the area.
- Avoid eating, drinking and smoking while processing this product.
- Do not let it get into the sewage, drinking water or ground.

Tips:

- We strongly recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- For heated screeds, a standard heating procedure must take place before laying.
- The underfloor heating system may not be switched on during the processing and hardening.
- Clean the tools with water immediately after use.
- Wear protective gloves.
- Wear protective goggles.
- If the adhesive should come into contact with your eyes, wash out immediately with plenty of water and contact an eye doctor.
- Protect your hands with waterproof, robust gloves.
- Wear long trousers.
- Avoid longer periods of skin contact with the adhesive or laying material. Immediately and thoroughly wash affected skin with water.
- The longer fresh adhesive or installation product remains on your skin the greater the risk of serious skin damage.
- Keep children away from fresh adhesive or installation product.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

Safety instructions

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.