MureFlex KPF 31 Tile Adhesive White



> long working time
> high stability
> flexible for professional users

Product description

Powder form, water and frost-resistant, hydraulically setting, food-safe white adhesive mortar. For laying ceramic tiles and panels, indoor and outdoor use, with below 0.5% water absorption (fine stoneware) and natural stone with elevated thermal or static loads.

Delivery format

Container	Outer packaging	Pallet
25 KG / PS	-	42 PS

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 combing trowel must be matched to the material being laid.

Mixing
In a clean mixing container, add product to water using a slow-rotating mixer until a homogeneous and lumpfree 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 mortar residue with a wet sponge.
In outdoor areas, swimming pools as well as areas under heavy loads, use the 'buttering floating' combination process. If laying unfamiliar stone types, a trial run is recommended. Not for water-sensitive stone; use only rapid products for this.

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Technical data

Colour	white
Consumption	Consumption according to toothing: approx. 1.7 kg/m² at 6 mm toothing, approx. 2.3 kg/m² at 8 mm toothing, approx. 2.9 kg/m² at 10 mm toothing
Rest time	none
Processing time	approx. 4 hrs
Open time	approx. 30 min.
Can be corrected within	approx. 5 min.
Jointable	after approx. 12 hrs
fully load-bearing	after approx. 48 hrs
Water consumption	approx. 0.32 l/kg (corresponds to 8 l / 25 kg)

Test certificates

Tested in accordance with (standard, classification ...)
EN 12004
EC1Plus

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".

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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 information:
- 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! Before using seals defects and uneven points must be first be levelled out in their own step.
- Outdoors, in permanently wet areas, in areas under heavy load, as well as for natural stone and large areas for which the combined (buttering/floating) procedure is to be used.

Tips:
- We 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.
- Keep a genuine original container of the respective batch for later repair work.
- 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.

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.

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