HIGH-STRENGTH GROUT HF 80

> Pressure-resistant up to 50 N/mm²
> 4 - 50 mm joint width
> Frost/de-icing salt resistant
> Simple processing
> For road construction

Product description

Powdery, food-safe, frost and de-icing salt resistant,waterproof, tempered, hydraulically setting grout with trass additive for the prevention of efflorescence.
Indoors and outdoors for grouting 4-50 mm joint widths of concrete, natural stone, plaster and clinker coverings in bonded construction. Also well suited to processing with jointing machines. Suitable for usage categories up to N3 according to ZTV road construction.

Delivery format:

Container	Outer packaging	Pallet
25 KG / PS		48

Storage:
Can be stored in a frost-free, cool and dry environment on wooden shelves in unopened original container for approx. 24 months.

Processing

Recommended tools:
Low-speed electric mixer, suitable mixing vessel, brick trowel, grouting machine, grouting board, rubber spatula, rubber broom, sponge and water bucket, jointing machine.
Clean the tools with water immediately after use.

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:
Spread on the material diagonally to the joint direction with a grouting board or rubber spatula. Clean with pure water and a soft sponge after the initial drying phase. While doing so, make sure that the joints are filled

Murexin GmbH: A-2700 Wiener Neustadt, Franz von Furtenbach Straße 1
Tel.: +43(0)2622 / 27 401 - 0 Fax: +43(0)2622 / 27 401 DW 187
EMail: info@murexin.com, www.murexin.com

flush. After drying, wash off the remaining film of cement with pure water or perform machine cleaning with a joining machine. After grouting, protect against mechanical strain for at least 24 hours. Light irrigation after the first hardening of approx. 4 - 8 hours leads to a better joint. Do not direct the water jet directly onto the joint.
To prevent patches from forming in the grout, the mortar must have already completely dried through and been evenly removed from the joints before grouting.
Colour consistency can only be guaranteed within the same production batch!

Technical data

Chemical base	Cement with trass additive
Compressive strength	after 24 hrs ≥ 30 N/mm²; after 3 days: ≥ 45N/mm², after 7 days: ≥ 50N/mm²
Colour	grey
Joint width	4 - 50 mm
Bending tensile strength	≥ 10,0 N/mm²
Consumption	Depending on stone format, joint width and joint depth. The precise consumption is to be determined using a test area.
can be walked on	after approx. 8 hrs
load-bearing	after 7 days
Shrinkage	≤ 1.0 mm/m
Processing time	approx. 40 min.
Abrasion resistance	≤ 150 mm³
Water absorption	after 30 min.: ≤ 2 g; after 240 min.: ≤ 3,5 g
Water consumption	approx. 0.17 l/kg
Suitable for	ZTV Wegebau N1- N3

Test certificates

Tested in accordance with (standard, classification ...)
EN 13888

Substrate

Suitable substrates:
Paving stone
Clinker brick
Moisture-resistant natural stone
Concrete block
Ceramic tiles

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".

Murexin GmbH: A-2700 Wiener Neustadt, Franz von Furtenbach Straße 1
Tel.: +43(0)2622 / 27 401 - 0 Fax: +43(0)2622 / 27 401 DW 187
EMail: info@murexin.com, www.murexin.com

Product and processing instructions

Material advice:
- If processing outside the ideal temperature- and/or humidity range the material properties could change markedly.
- Allow the materials to reach the correct temperature before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water addition amounts or dilution instructions must be precisely kept!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within a batch.
- The colouring is significantly influenced by the environmental conditions.

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!

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.

The information provided reflects average values 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.

Murexin GmbH: A-2700 Wiener Neustadt, Franz von Furtenbach Straße 1
Tel.: +43(0)2622 / 27 401 - 0 Fax: +43(0)2622 / 27 401 DW 187
EMail: info@murexin.com, www.murexin.com