

biostuk

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BIOSTUK

Bio-ecological grouting based on natural hydraulic lime NHL 3,5 (EN459-1) for 4 to 12 mm gaps. Thanks to its bio-ecological features, it is the ideal grout for civil environments.

groutings and sealants

TECHNOKOLLA





22%



1



5-35°C



2 h



4-12 mm

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MAIN BIOLOGICAL FEATURES

- No solvents or formaldehyde
- Mould-inhibiting
- Good vapour permeability

MAIN ECOLOGICAL CHARACTERISTICS

- Recyclable
- Uses local raw materials
- Low-energy manufacturing process

ASPECT

- Granular powder in 1 colour

STORAGE

- 12 months in a dry place

FIELDS OF USE

- Grouting all types of ceramic tiles for interiors and exteriors. Particularly suitable for building sites where bioecological standards are being pursued. The product does not contain synthetic materials or pollutants.
- It can grout gaps measuring from 4 to 12 mm.
- Thanks to its special pigmentation and formula, Biostuk is very easy to spread and cleans off easily when dry, even from porous materials like cotto.

CERTIFICATIONS



PREPARATION

The surface to be grouted must be perfectly clean, and the gaps free from excess tile adhesive. Dampen the tiles slightly before grouting in warm weather, especially if twice-fired or cotto tiles are being grouted. Bear in mind, however, that excess water in the gaps can lead to various problems, for example: differences in colour between one area and another.



HOW TO PREPARE THE MIXTURE

BIOSTUK should be blended with about 5.5 l. of clean water per 25 kg bag (22%) until a creamy mixture is obtained. It is vital that the paste be lump-free and uniform in colour. Use perfectly clean tools and a low speed blender (approx. 500 rpm) when preparing the mixture. Small quantities of Biostuk can also be mixed by hand but bear in mind that varying amounts of water between one batch and the next can result in slightly different colour gaps.

GROUTING OPERATION

Apply the product with a suitable rubber applicator or squeegee, and make sure that the gaps are filled completely. Wipe off any excess material with the edge of the applicator. Once the grouting begins to harden, the surface can be wiped clean with a clean, damp sponge. Any traces left on the tiles can be removed easily the next day using a soft, dry cloth.

AVAILABLE COLOURS

03 ASH

WARNINGS AND RECOMMENDATIONS

- The surfaces must be wetted with water on hot and/or windy days
- Do not add anything to the product that is not specified in this brief

AMOUNT REQUIRED

TUSCAN COTTO TILES block format (cm)	20x40	12x24	15x30	20x20	25x25	20x30	33x33
amount required (kg/sq m per mm)	0,25	0,42	0,4	0,4	0,3	0,3	0,22

OTHER TILES tile format (cm)	10x10	15x20	20x20	20x25	25x33	33x33	40x40	50x50
amount required (kg/sq m per mm)	0,23	0,16	0,2	0,16	0,18	0,09	0,06	0,04

E.g.: To grout 10 sq.m of twice-fired wall tiles in the 33x33 cm format with 6 mm gaps, the amount of Biostuk required will be: $0.09 \times 6 = 0.54$ kg/sq.m; $0.54 \times 10 = 5.4$ kg

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TECHNICAL SPECIFICATIONS	VALUE
Aspect	grey powder
Temperature during application	min. +5°C, max +35°C
Water used for mixing	5.50 l. – 25 kg bag (22%)
Curing time	3 min
Pot life	* 2 h
Thermal resistance	from -30 °C to 80°C
Compressive strength after 28 days	20.0 N/mm ²

TIME TO WAIT BEFORE GROUTING	
Floor with progeox adhesive	* 24-36 h
Floor with quick-setting adhesive	* 4-6 h
Floor fixed with mortar	* 10-15 days
Wall with progeox adhesive	* 8-10 h
Wall with adhesive	* 5-6 h
Ready for use	*7 days
Can be walked on after	* 24 h

* these times refer to a temperature of 23°C-50% R.H.. They are shorter at higher temperatures and longer at lower temperatures.

SPECIFICATION

Ceramic floor and wall tiles should be grouted using a powder grouting with characteristics that comply with bio-ecological architecture dictates, such as Technokolla's Biostuk, which can be used to fill gaps of up to 12 mm.

Technokolla reminds you to examine the **"notes" document** that completes the information in this data sheet. The document can be downloaded in the pdf format.

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