



# FUGE 701

NANOFUGE for clinker and stone

**Areas of application:** The grout is intended for jointing tiles, bricks and clinker profiles. It can be also used to joint wall and floor ceramic tiles, concrete tiles, laid on indoor and outdoor surfaces. The content of tras limits the possibility of occurrence of saline efflorescence. Allows for producing joints characterized by high color stability, high durability and adhesion to brick edges, tiles and clinker profiles. The grout can be applied in joints from 5 to 20 mm.

- Properties:**
- High grip
  - High mechanic durability
  - Waterproof
  - Frost-proof
  - Prevents efflorescence
  - Contains tras
  - Very good resistance to abrasion

**Application procedure:**

Technical data				
Item no.	428677	428678	31705	32241
Packaging type				
Quantity per unit	25 kg	10 kg	25 kg	10 kg
Unit per pallet	48 Pcs/pallet	55 Pcs/pallet	48 Pcs/pallet	55 Pcs/pallet
Colour	coloured	coloured	White	White
Granulation	0 - 0.5 mm			
Consumption	4 kg/m <sup>2</sup>			
Application time	60 min			
Pressure resistance	≥ 2.5 N/mm <sup>2</sup>			
Compressive strength	≥ 15 N/mm <sup>2</sup>			
Layer thickness	5 - 20 mm			
Soluble chromium VI content	≤ 0.0002 %			
Amount of water required	approx. 3.75 l/bag	approx. 1.5 l/unit		
Possibilities to enter (EN 13813)	approx. 24 h CG2A			

**The product conforms to:** • PN-EN 13888:2010

- Material base:**
- Portland cement
  - Trass
  - Mineral fillers
  - Pigments
  - Modifying supplements

**Surface:** Proceed to jointing when the tile adhesive has sufficiently set and dried. In the case of masonry mortars, jointing should be performed after 2 weeks of seasoning, and in the case of jointing clinker and ceramic tiles with adhesive, this period is 2 days minimum (for +20 °C and air humidity of 60 %). In order to maintain uniform color, the clearances between the tiles should be equally deep, cleared of any adhesive residue, dust, or any other impurities. In the base of very absorbent tiles, moisten the joints with a humid sponge.

**Types of substrate:** **Ceramic, gres, clinker, concrete tiles and other:** Apply directly



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	Joint width	Consumption
6,5 x 25 cm	10x10 mm	3,5 kg/m <sup>2</sup>
6,5 x 25 cm	15x10 mm	5,3 kg/m <sup>2</sup>
7,1 x 24 cm	10x10 mm	3,2 kg/m <sup>2</sup>
7,1 x 24 cm	15x10 mm	4,8 kg/m <sup>2</sup>

**Preparation:** Pour the dry mix gradually to a container with a sufficient amount of clean, cool water, mixing manually or using a low-speed mixer to produce homogenous, lump-free mass. Leave to mature for 5 minutes, and then mix again.

Always prepare next batches of the mortar in the same way because variable dosing of water may result in different colours. If there is a need to use a part of the packaging, the entire dry compound must be carefully stirred because components may have been separated during transport.

Excessive amount of mixing water can reduce the durability of joints, which can ultimately crack, and will result in the possible occurrence of efflorescence.

Do not mix the hardened grouting mixture again.

**Application procedure:** Fill the clearances in clinker elements with special jointing putty. Fill the clearance tightly with the grout, making sure not to soil the face of the brick with the grout. After completing the jointing procedure, delicately clear the brick of any impurities.

It is generally recommended to apply product from one production batch on one jointed surface. Before proceeding to jointing with dyed grout, check if the pigment of the grout permanently stains the surface of the jointed element.

**Application conditions:** Apply in temperatures from +5 °C to +25 °C, these temperature refer to air, groundwork and product temperature.

**Instructions:** Non-uniform drying conditions, the use of jointing grout from various production batches, humidity of tile groundwork, the absence of sufficient insulation, etc. can produce different joint colours. Since natural raw materials have been used for production of the mortar, colour of various production batches may slightly differ. Therefore, it is advisable to use the product from one production batch on one facade, surface, working field. Freshly grouted surfaces must be protected against rain, dew, municipal water, wind, draughts, strong insolation and frost for min. 7 days. A final colour of the joint is set after it is completely dry and depends on the way in which the fresh mortar is maintained, on humidity of construction elements under tiles, on climate around. Unlike joint mortar drying conditions, humidity of beds under tiles, unwashed aggregates of masonry mortars, lack of appropriate building insulations and similar factors may result in different colours of the joints. Grouting during adverse weather conditions (fog, high air humidity, rain, low temperatures) may be the reason for saltpetre rots on the surface of joint. It is advisable for grouted wall claddings and floor claddings in a period of the first 3-4 weeks of use to be washed with clean water only. After drying properly, the clinker elements should be covered with impregnating preparations, e.g.: FRONTA 1001, HYDROMUR-W 1010.

Cleaning the joints with detergents, both acidic and alkali cleaning solutions in the first weeks of setting and drying can cause a permanent discolouring of the jointing grout. Do not use detergents which can enter into reaction with lime or cement compounds.

Avoid contact with skin and protect eyes. Detailed guidelines are included in the material safety data sheet.

**Storage:** Up to 12 months from the date of manufacture, in dry places and in intact packaging

**General information:** This product data sheet replaces all its previous versions. The information, included in this technical card, represents our current knowledge and practical experience. This is general information only which shall not obligate the manufacturer to take any responsibility either for workmanship or for the manner of use. For there may be differences and specific execution conditions. The product shall be applied in accordance with required technical knowledge and OHS rules. Avoid contact with skin and protect eyes. In case of contact with eyes, rinse them up with a large quantity of clean water and consult a doctor. It shall be recommended to use gloves, safety goggles and protective clothing.