

## TECHNICAL DATA SHEET

### POZMUR-KL NANO 130

Specialist masonry mortar with tras, based on nanotechnology, for clinker elements



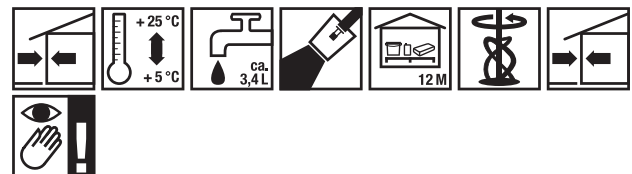
#### Areas of application

Nanotechnology masonry mortar for full-jointed brick and clinker profile masonry without additional jointing. The mortar is also suitable for hand-formed bricks. Indoor and outdoor use. Using of this mortar effectively reduces the risk of salt efflorescence on the masonry surface.

#### Properties

- Waterproof
- Frost-resistant
- Contains trass
- Prevents efflorescence
- High mechanic durability
- High adhesion
- Class M10

#### Application procedure



#### Technical data

| Item number          | 31623                                                                               | 31621 | 31622   | 31673     | 31692 |
|----------------------|-------------------------------------------------------------------------------------|-------|---------|-----------|-------|
| Packaging            |  |       |         |           |       |
| Quantity per unit    | 25 kg/unit                                                                          |       |         |           |       |
| Unit per pallet      | 48 unit/Pal.                                                                        |       |         |           |       |
| Grain size           | 0-2 mm                                                                              |       |         |           |       |
| Colour               | Grey                                                                                | black | graphit | Sandbeige | White |
| Consumption          | 45 kg/m <sup>2</sup>                                                                |       |         |           |       |
| Water requirement    | approx. 3,4 L/unit                                                                  |       |         |           |       |
| Compressive strength | ≥ 10 MPa (28 d)                                                                     |       |         |           |       |
| Pressure resistance  | ≥ 2,5 MPa (28 d)                                                                    |       |         |           |       |

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| Item number          | 31623                                                                             | 31621 | 31622 | 31673 | 31692 |
|----------------------|-----------------------------------------------------------------------------------|-------|-------|-------|-------|
| Thermal conductivity | $\leq 1,11 \text{ W/mK}$                                                          |       |       |       |       |
| Chromium content     | $\leq 0,0002 \%$                                                                  |       |       |       |       |
| Time of use approx.  | 2 h                                                                               |       |       |       |       |
| Item number          | 31691                                                                             |       |       |       |       |
| Packaging            |  |       |       |       |       |
| Quantity per unit    | 25 kg/unit                                                                        |       |       |       |       |
| Unit per pallet      | 48 unit/Pal.                                                                      |       |       |       |       |
| Grain size           | 0-2 mm                                                                            |       |       |       |       |
| Colour               | light gray                                                                        |       |       |       |       |
| Consumption          | 45 kg/m <sup>2</sup>                                                              |       |       |       |       |
| Water requirement    | approx. 3,4 L/unit                                                                |       |       |       |       |
| Compressive strength | $\geq 10 \text{ MPa (28 d)}$                                                      |       |       |       |       |
| Pressure resistance  | $\geq 2,5 \text{ MPa (28 d)}$                                                     |       |       |       |       |
| Thermal conductivity | $\leq 1,11 \text{ W/mK}$                                                          |       |       |       |       |
| Chromium content     | $\leq 0,0002 \%$                                                                  |       |       |       |       |
| Time of use approx.  | 2 h                                                                               |       |       |       |       |

### Material base

- Pigments
- Portland cement
- Quartz additive

### Application conditions

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

### Surface

Proceed to the execution of works after the dust settlement and groundwork drying period. The constructed element must be protected against capillary action of ground water and precipitation water sinking in ground by means of a

properly made vertical and horizontal insulation. This recommendation does not only refer to walls but also to other elements such as fences, posts, small architectural forms. Masonry bricks should be clean, free from dust and not frosted. When working on a warm or sunny day, it is recommended to store them in a shady place. During masonry, it is recommended to mix bricks from several pallets to compensate for slight color differences between successive batches.

Bricks and clinker profiles: Apply directly

### Preparation

The dry mix should be made with an appropriate amount of clean, cool water by mixing in a plastering machine or mechanically using a mortar mixer or concrete mixer. The time of mechanical mixing should be 2-3 minutes. If necessary, depending on the conditions, slightly adjust the amount of water added.

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### Application procedure

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Apply the mortar on the wall, depending on the masonry method used. Level the joints and smoothen them out with a trowel or a stainless steel jointing board before the mortar has set. Observe all tying principles when erecting walls. Clean brick or clinker element faces directly after soiling, before the mortar has set. The product must be used within 60 minutes after mixing with water, depending on the conditions.

### Instructions

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Protect against frost, precipitation, excessive drying during the execution of works and drying (for at least 7 days). One production batch should be used in one element or on one facade in order to avoid color differences. Due to the mineral character of mortar, colour differences between subsequent production batches are allowed. Colour of the mortar is determined after kneading with water and drying. After making and drying out a given clinker element, it is recommended to cover it with HYDROMUR-W 1010 hydrophobizing agent. In the case of masonry and subsequent grouting, it is advisable for grouting to use FUGA 701 mortar adapted in terms of colour to the masonry mortar or particular decoration effect. Deep embedded joints in relation to the face of the wall are more exposed to potential discolourations and efflorescence.

### Storage

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

### Label

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### General information

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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. All technical data is given for the temperature of 20 degrees Celsius. These temperatures apply to air, bed and embedded material. All technical data listed in this product specification has been determined under laboratory conditions.

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| Consumption of POZMUR-KL 130 mortar depending on wall thickness |                       |
|-----------------------------------------------------------------|-----------------------|
| Wall thickness                                                  | Consumption           |
| 6,5 cm                                                          | 17 kg/m <sup>2</sup>  |
| 12 cm                                                           | 45 kg/m <sup>2</sup>  |
| 25 cm                                                           | 110 kg/m <sup>2</sup> |