

TECHNICAL DATA SHEET

PRIMING RENOVATION PLASTER 920

Lime-cement base plaster in the KREISEL renovation plasters system.



Areas of application

PRIMING RENOVATION PLASTER 920 serves as a base for plasters 921 and 922 in the renovation plasters system, and is applied on surfaces with medium to high exposure to the effect of salt. Thanks to its high porosity, it absorbs and retains the salts migrating from the groundwork. The product is particularly recommended for renovating and maintaining historic monuments. Product conforms to WTA guidelines Suitable for machine-spray application (with double mixing system, e.g. DUO-MIX by M-TEC), as well as manual application.

Properties

- Vapor-permeable
- Product conforms to WTA guidelines
- High porosity
- Waterproof
- Frost-resistant
- Hydrophobic
- High adhesion to humid groundworks with high salt content
- Retains crystalline salts
- For areas with medium to high exposure to salts

Application procedure



Technical data

Item number	17071
Packaging	
Quantity per unit	25 kg/unit
Unit per pallet	48 unit/Pal.
Grain size	0-2 mm
Consumption	1,2 kg/m ² /mm
Water requirement	approx. 5 L/unit
Reaction to fire	A1
Capillary water absorption	≤ 0,4 kg/m ² *min0,5
Tensile adhesive strength	≥ 0,2 MPa

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Chromium content	≤ 0,0002 %
Air content	≥ 45 %
Mortar class	CS III (3,5-7,5 MPa)
Porosity	≥ 18 %
Coating thickness	10-30 mm
Processing time	2 h

Material base

- Hydrated lime
- Mineral fillers
- Modifying additives
- Portland cement

Application conditions

Apply at temperatures from +5 °C to +25 °C, these temperatures apply to air, bed and product. All substrates shall be bearing, compact, stable, even and clean

Surface

Before starting renovation works, it is advisable to carry out an accurate analysis of the substrate salinity and moisture state. Substrates should be free from dust, soot, grease, lubricants, anti-adhesive agents, paints, excess mortar etc. Old plasters: Preferably remove up to 1m above damage zone.

Very absorbent groundwork: Moisten with water
Poor-quality, flaking wall joints.: Prime with REMONT GRUNT 950.

All groundwork types: Treat with OBRZUTKA 910 rendering coat

Surface pre-treatment

Symptoms of biological aggression (fungi, mildew) must be removed using SEPTOBUD 1008 preparation. Old, destroyed plasters with moisture signs, efflorescence must be removed up to the height of 1m above the damage area. All potential efflorescence on an uncovered wall must

preliminarily be removed mechanically. All grouts dropping off in a wall must be removed to the depth of 2cm, and next they must be filled with RENOWACYJNA ZAPRAWA MURARSKO-TYNKARSKA 943. When works are performed on a very absorbent substrate, it must be moistened with water preliminarily. An uncovered wall must be coated with OBRZUTKA RENOWACYJNA 910 (RENOVATION RENDERING COAT) in accordance with its technical sheet. Plastering with a ground plaster may start not earlier than after 3 days from when the rendering coat dries up.

Preparation

Pour the dry mix into a sufficient amount of clean, cool water, mixing in a plastering unit (only dual-mixing plastering units are suitable for mixing the 910 rendering coat, such as DUO-MIX by M-TEC), or mix the grout mechanically, using a mixer, possibly a concrete mixer. Mechanic mixing time should be c.a. 2-3 minutes. In the case of application with a mixing pump, for easy application, we recommend applying the plaster with KALETA 5 unit with additional fittings: Kaleta 5 stirrer Light, D6-3 worm with a flipper, D6-3 jacket, Aerator (Turbine). It is possible to use an equivalent machine and fittings. When mixing by hand, the mortar must be mixed for approx. 4-5 minutes. Do not mix the hardened grouting mixture 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.

Application procedure

Apply the mortar in an even layer on the entire surface, then smoothen out with a long float. With single-layer application (10-20mm). Perform the final smoothing (with a plastic,

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metal or felt long float) after the drying process has started (after c.a. 1.5 hour).

Instructions

All works carried out outside must be performed in rainless weather, when insolation is not too high and wind is weak. If it is necessary to carry out works in unfavourable conditions, use appropriate shields, reducing an impact of weather factors. Plastered rooms must be ventilated, however it is necessary to prevent draughts and prevent the mortar from drying up too quickly as a result of sunlight or heating. Always use the product at the temperature ranging from +5 °C to +25 °C. In the hardening time, maintain the temperature of min. +5 °C.

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.

All technical data listed in this product specification has been determined under laboratory conditions.