KREISEL

TECHNICAL DATA SHEET

MASZYNOWY TYNK GIPSOWY 651

Mechanically applied gypsum plaster

Areas of application

Suitable for mechanic or manual application of gypsum plaster grouts under paint coats or quality plasters on walls and ceilings made of autoclaved aerated concrete, ceramic or lime-sandstone, concrete elements, etc.

Properties

- Smooth surface
- Easy to process
- High adhesion
- Flexible
- Environmentally friendly

Application procedure

Technical data

Item number	19647
Packaging	
Quantity per unit	30 kg/unit
Unit per pallet	40 unit/Pal.
Grain size	0-1,2 mm
Colour	White
Consumption	1 kg/m²/mm
Water requirement	approx. 17,5 L/unit
Reaction to fire	A1
Compressive strength	≥ 2 N/mm²
Pressure resistance	≥ 1 N/mm²
Hardening time	approx. 10 d
Coating thickness	5-25 mm
Processing time	240 min

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Item number	19647
Processing time tip	from the first smoothing

Material base

- Building plaster
- Hydrated lime
- Additives
- Quartz additive

Application conditions

Apply in temperatures from +5 °C to +25 °C, these temperature refer to air, groundwork and product temperature. Plastering should be started after a period of settling, shrinkage and drying of walls and concrete elements. For concrete substrates, a seasoning of at least 8 weeks is assumed (for optimal conditions drying > +15 °C). Drying time for walls is min. 4 weeks. Substrates for plasters should be durable, stiff, non-deformable and have adequate humidity depending on the type of material (according to PN-B-10110: 2005).

Surface

The groundwork must be cleaned and properly prepared. The groundwork should be cleared of dust, soot, grease or any other anti-adhesion solutions reducing grip.
Bricks and ceramic CMUs: Prime with GRUNTOLIT-K 311 or EXPERT GRUNT DO ŚCIAN 315 in a suitable thinner or EXPERT GOTOWY GRUNT DO ŚCIAN 317.
Concrete, reinforced concrete: Prime with GRUNTOBET 310 or EXPERT CONCRETE PRIMER 314.
Autoclaved aerated concrete elements: Prime with GRUNTOLIT-K 311 or EXPERT GRUNT DO ŚCIAN 315 in a suitable thinner or EXPERT GOTOWY GRUNT DO ŚCIAN 317.
Silicate blocks: Prime with GRUNTOLIT-K 311 or EXPERT GRUNT DO ŚCIAN 315 in a suitable thinner or EXPERT GOTOWY GRUNT DO ŚCIAN 317.

Surface pre-treatment

Connection points of various substrates, installation grooves and other areas exposed to structural cracks should be reinforced with fiberglass mesh. For gypsum plasters, it is recommended to reinforce with a plaster mesh (minimum mesh size - 7 mm). The minimum plaster thickness in this case is 15mm. The mesh blends to a depth of 1/3. Apply anti-corrosive coating on all metal elements that contact the plaster.

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. Way of using - machine-application: The dry mixture must be poured to a bin of mixing pump. Appropriately set the level of dosed water to obtain proper consistency of the mortar flowing out of the pump gun. If necessary, depending on the conditions, slightly adjust the amount of water added. Do not mix the hardened grouting mixture again.

Application procedure

Apply the plaster in one coat of the recommended thickness and level with an H profile immediately after application and level a second time with a trapezoidal profile after the first curing. In the final phase of setting, soaken the plaster and rub it with a sponge trowel. After the sponged surface has matted, proceed to final polishing with a steel trowel. If a second plaster layer, a ceramic tile layer or a finishing coat layer is planned on the surface, coarsen the surface (e.g. scrape, cut a herringbone pattern) to improve adhesion.

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Instructions

Ventilate the room after completing all works The layer thickness on the ceiling should not exceed 15 mm. Ventilation of a room is particularly significant during works in cool seasons of the year so that the mortar will not harden in conditions of high air humidity. This may lead to damage of the plaster. You must prevent freezing the non-set or wet plaster, which will result in its peeling off or destruction. To accelerate drying time of plasters, you can use fans and heaters. Do not use gas heaters and do not use a stream of hot air directly on surface of the plaster. The layer thickness over the electric wires should be greater than 5 mm.

Storage

Up to 6 months from the date of manufacture, in dry areas and in non-damaged factory 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 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.