



GYPSUM PLASTER 651T

Machine-sprayed gypsum plaster with increased surface hardness

Areas of application: Intended for machine-spray application of gypsum, smooth, indoor plasters with increased surface hardness in rooms, in which air humidity does not exceed 70%. 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:

- Very high durability
- High grip
- Smooth surface
- Impact resistant
- Environmentally friendly

Application procedure:



Technical data	
Item no.	30050
Packaging type	
Quantity per unit	30 kg
Unit per pallet	40 Pcs/pallet
Colour	White
Granulation	0 - 1.2 mm
Consumption	1 kg/m ² /mm
Application time	max. 180 min
Application time-Tip	from the first smoothing
Pressure resistance	≥ 2 N/mm ²
Compressive strength	≥ 6 N/mm ²
Layer thickness	5 - 25 mm
Hardening time	approx. 10 days
Amount of water required	approx. 18.5 l/bag
Reaction to fire	A1

More technical Details: Surface hardness: ≥ 2,5 MPa

The product conforms to: • EN 13279-1

Material base:

- Structural gypsum
- Quartz aggregate
- Mineral fillers
- Additives

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. 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.



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Types of substrate:	<p>Bricks and ceramic CMUs: prime with GRUNTOLIT-K 311 or GRUNTOLIT-SK 313, properly diluted</p> <p>Concrete, reinforced concrete: Prime with GRUNTOBET 310</p> <p>Autoclaved aerated concrete elements: prime with GRUNTOLIT-K 311 or GRUNTOLIT-SK 313, properly diluted</p> <p>Silicate blocks: prime with GRUNTOLIT-K 311 or GRUNTOLIT-SK 313, properly diluted</p>
Preparation:	<p>Pour the dry mix gradually to a container with a sufficient amount of clean, cool water. Mix manually or using a low-speed mixer to produce a homogeneous mass without lumps. Leave to mature for 5 minutes and mix again. The mass should be thick enough not to slide from a trowel when set at an angle.</p> <p>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.</p> <p>If necessary, depending on the conditions, slightly adjust the amount of water added.</p> <p>Do not mix the hardened grouting mixture again.</p>
Application procedure:	<p>Apply the plaster in 8mm layers and immediately spread and level with an „H“ trowel. After initial leveling, use a trapezoid trowel to thoroughly level the layer.</p> <p>In the final phase of setting, soaked the plaster and rub it with a sponge trowel. After the sponged surface has matted, proceed to final polishing with a steel trowel.</p> <p>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.</p>
Application conditions:	<p>Apply in temperatures from +5 °C to +25 °C, these temperature refer to air, groundwork and product temperature.</p> <p>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).</p>
Instructions:	<p>Ventilate the room after completing all works</p> <p>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.</p>
Storage:	<p>Up to 6 months from the date of manufacture, in dry areas and in non-damaged factory packaging.</p>
General information:	<p>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.</p> <p>All technical data is given for the temperature of 20 degrees Celsius. These temperatures apply to air, bed and embedded material.</p>