



## THERMOREGULATING PLASTER 655

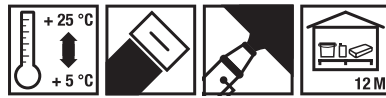
Mortar with an effect of returning accumulated heat.

**Areas of application:** Thanks to the effect of accumulating and returning heat, it decreases demand for energy. It is particularly applicable in rooms with air-conditioning, contributing to its more effective work. For indoor applications. Intended for manual and machine application. Can be used in rooms with air humidity above 70%

**Properties:**

- Energy-saving
- Takes over and gives warmth
- Decreases jumps of temperature
- Indoor use
- Manual and machine application
- Based on gypsum

**Application procedure:**



Technical data	
Item no.	37741
Packaging type	
Quantity per unit	15 kg
Unit per pallet	48 Pcs/pallet
Colour	White
Granulation	0 - 0.6 mm
Consumption	0.8 kg/mm/m <sup>2</sup>
Application time	approx. 180 min
Compressive strength (7 d)	≥ 2.5 MPa
Layer thickness	10 - 30 mm
Amount of water required	approx. 11.7 l/bag
Reaction to fire	A2-s1, d0
Adhesion to (Concrete)	≥ 0.45 MPa
Contrast ratio	A2-s1, d0

**The product conforms to:** • EN 13279-1

**Material base:**

- Structural gypsum
- Pearlite
- Micronal
- Quartz sand

**Surface:** Groundwork must be ground and cleaned. All loose or non-load-bearing elements must be removed. 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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<b>Types of substrate:</b>	<p><b>Old plasters:</b> prime with GRUNTOLIT-K 311 or GRUNTOLIT-SK 313, properly diluted</p> <p><b>Very absorbent groundwork:</b> prime with GRUNTOLIT-K 311 or GRUNTOLIT-SK 313, properly diluted</p> <p><b>Bricks and ceramic CMUs:</b> prime with GRUNTOLIT-K 311 or GRUNTOLIT-SK 313, properly diluted</p> <p><b>Concrete, reinforced concrete:</b> Prime with GRUNTOBET 310</p> <p><b>Autoclaved aerated concrete elements:</b> prime with GRUNTOLIT-K 311 or GRUNTOLIT-SK 313, properly diluted</p> <p><b>Bricks and ceramic CMUs, silicate:</b> prime with GRUNTOLIT-K 311 or GRUNTOLIT-SK 313, properly diluted</p>
<b>Preparation:</b>	<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>When mixing by hand, the mortar must be mixed for approx. 4-5 minutes.</p> <p>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.</p> <p>Do not mix the hardened grouting mixture again.</p>
<b>Application procedure:</b>	<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>
<b>Application conditions:</b>	<p>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</p>
<b>Instructions:</b>	<p>Ventilate the rooms during the execution of works, but protect the plaster against drafts causing excessive drying of the surface</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>
<b>Storage:</b>	<p>Up to 6 months from the date of manufacture, in dry areas and in non-damaged factory packaging.</p>
<b>General information:</b>	<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>