

## TECHNICAL DATA SHEET

### EXPERT MACHINE GYPSUM-CEMENT PLASTER HYBRYD 656

Machine-applied gypsum-cement plaster



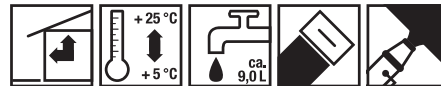
#### Areas of application

High-strength gypsum-cement machine plaster for single-layer interior plastering in rooms with a maximum humidity of 80%. It is a very good primer for paints, plaster and wallpaper, ceramic tiles. Suitable for machine or manual plastering of walls and ceilings made of aerated concrete blocks, silicates, ceramic or concrete elements. The product is suitable for use in areas such as kitchens, bathrooms, staircases, hallways, living rooms, offices, garages and so on.



#### Properties

- Smooth surface
- Easy to process
- White
- Surface hardness 14 N/mm<sup>2</sup>
- Waterproof
- For wet rooms
- Very high durability

#### Application procedure



#### Technical data

Item number	40296	40349
Packaging		
Quantity per unit	30 kg/unit	1000 kg/unit
Unit per pallet	40 unit/Pal.	
Grain size	0-0,5 mm	
Consumption	approx. 1,3 kg/m <sup>2</sup> /mm	
Water requirement	approx. 9 L/unit	
Reaction to fire	A1	
Tensile adhesive strength	≥ 0,5 N/mm <sup>2</sup>	
Compressive strength	≥ 6 N/mm <sup>2</sup>	
Pressure resistance	≥ 2 N/mm <sup>2</sup>	
Hardening time	approx. 7 d	

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Item number	40296	40349
Coating thickness	8-40 mm	
Processing time	220 min	

## Material base

- Alabaster
- Portland cement
- 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

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.

## Preparation

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. 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 8 mm layers and immediately spread and level with an H trowel. After initial leveling, use a trapezoid trowel to thoroughly level the layer. 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. 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.

## 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.

## 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

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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.