



PLUS GIPSAR

GYPSUM TOP FINISH

- reinforced with polymers
- maximum single coat thickness 3 mm
- for manual and spray application
- for manual and mechanical sanding



Use

For application as a gypsum top finish on walls and floors.

For filling of small gaps in walls and ceilings – may be used for levelling of surface prior to the application of top finish.

Types of substrates – concrete, aerated concrete, gypsum, cement, cement-lime, and gypsum plasters.

Types of finishing coats – painting coats and wallpapers.

Properties

Product is classified as a C7 – Finishing product, according to regulation.

Improved hardness – strength of gypsum intergranular bonds was improved owing to the addition of modified polymers - redispersible powder resins - therefore PLUS GIPSAR forms uniform, firm and smooth surface for further painting and wallpapering.

Mechanical and manual grinding – mass can be processed with professional grinders with appropriate sanding discs. Due to improved hardness of set product, there is no risk of forming irregular abrasion during mechanical grinding. Top finish may also be processed manually, where slight irregularities can be removed with a sand paper or polishing mesh.

Forms strong and stable substrate – surface can be conveniently grinded and formed dust does not block mesh or sand paper.

Spray application – accelerates coat application in comparison to traditional methods.

Excellent workability – mass is plastic, does not form bubbles, roll or break during application, easy to smoothen.

Very smooth surface – aesthetic, uniform and smooth, forms excellent substrate for painting or wallpapering.

Perfect for coating with paints – due to the content of polymers in a top finish, painting is facilitated and accelerated.

Resistant to cracking arising from contraction during setting.

Technical data

PLUS GIPSAR is manufactured as a dry mix of synthetic gypsum, mineral fillers, modifiers and adjusters of setting time.

Bulk density (of dry mix)	approx. 1.00 kg/dm ³
Mass bulk density (after mixing)	approx. 1.70 kg/dm ³
Mixing ratio (water / dry mix)	7.0 ÷ 9.0 l / 20 kg
Maximum single coat thickness	3 mm
Maximum top finish thickness	5 mm
Mass preparation temperature, substrate and ambient temperature during work	from +5°C to +25°C relative air humidity up to 70%
Maturing time	5 minutes
Pot life	min. 1 hour

Technical requirements

PLUS GIPSAR meets the requirements of PN-EN 13279-1:2009 – finishing product C7/50/2 for plastering of internal walls and ceilings except walls, partition walls, ceilings and lining intended to protect structures against fire and/or fire barriers in buildings

Declaration of Performance no 195/1/CPR.

CE	EN 13279-1:2008 (PN-EN 13279-1:2009)
Intended use	general building
Reaction to fire (direct exposure)	A1

Product has been given the Hygienic Attest.

Application of top finish

Substrate preparation

The substrate should be:

- **stable** – sufficiently rigid and sufficiently long stabilized. The assumed stabilization time for substrates is respectively:
 - for fresh cement ATLAS renders - min. 1 week for each 1 cm of thickness,
 - for concrete walls – min. 28 days,
- **dry**,
- **even** – maximum single coat thickness - 3 mm, maximum total thickness – 5 mm,
- **clean** – free from layers which may impair the mass bonding, especially dust, dirt, lime, oil, grease, wax, residues of oil and emulsion paints; substrates infected by biological corrosion must be cleaned with ATLAS MYKOS no 1 agent,
- **primed**
 - with ATLAS UNI-GRUNT emulsion – in case of excessively absorptive substrates (gypsum plasters and prefabricated gypsum elements do not require priming),
 - with ATLAS GRUNTO-PLAST mass – when substrate is of low absorptiveness or is coated with layers which limit bonding. Moreover, any steel elements which may come in contact with top finish must be protected against corrosion.

Mass preparation

Pour the material from the bag into a bucket with clean water in ratio given in Technical Data, taking into consideration intended method of application (mass for mechanical application should be prepared with maximum amount of water). Leave the mix for 5 minutes, gypsum automatically soaks with water. Stir the mix manually or mechanically (with a mixer and a drill for gypsum) until obtaining homogenous consistency without lumps. Mass should be used up within approx. 1 hour.

Mass application

Product can be applied manually or mechanically. For manual application it is recommended to use a stainless steel float and to successively smoothen the finish surface. The mass should be applied with strips, from the bottom towards the top of the wall. In case of ceilings, the mass should be applied in strips from window down into the room, with moves towards yourself. In case of spray application the equipment lance should be led 1-1.5 m from substrate and applied in horizontal overlapping strips. Recommended nozzle – HDA651. In case of breaks over 1 hour long, the hopper and coils must be thoroughly cleaned and rinsed with clean water. Directly after spraying, mass should be levelled with a steel float. For both types of application, thickness of a single coat should not exceed 3 mm.

Grinding

Mass should be ground after priming with professional grinders and appropriate sanding discs or sanded manually, where slight irregularities can be removed by hand with appropriate sand paper or polishing mesh. Any irregularities should be re-coated with thin mass layer (upon previously moistened substrate) and ground.

Finishing works

Painting and wallpaping can start when top finish coat dries with acrylic paints (e.g. ATLAS ecoFARBA) or latex paints (e.g. ATLAS optiFARBA or ATLAS proFARBA). Top finish should be primed prior to the painting with primer recommended by the paint manufacturer e.g. ATLAS BASE COAT PAINT.

Consumption

Average consumption is approx. 0.8 kg of mass/ 1 m² / 1 mm of coat thickness.

Packaging

Foil bags: 20 kg.

Important additional information

- Mass must be prepared in clean containers - residues of set gypsum reduce the time of setting of freshly mixed gypsum mass.
- Hygienic attest accepts the product for use not only in residential buildings, but also in public access, healthcare, educational and care buildings, e.g. hospitals, surgeries, nurseries, kindergartens, schools.
- Mass consistency must be thicker for use for filling of gaps
- Top finish must not be applied in areas directly exposed to humidity.
- Gypsum top finish must not be applied in bathrooms, laundries or other premises with relative air humidity exceeding 75% over extended periods of time.
- During setting, do not expose top finish to direct sunlight and draughts, provide proper room ventilation and airing.
- The tools must be cleaned with clean water directly after use. Difficult to remove residues of the set mortar can be removed with ATLAS AGENT FOR REMOVAL OF CEMENT DEPOSITS AND STAINS.
- The product, due to its form (fine powder) can mechanically irritate eyes and respiratory system, even in short-term contact, for long-term exposure - can mechanically irritate skin. Proceed in accordance with the Safety Data Sheet.
- The product should be transported and stored in tightly sealed bags, in dry conditions (preferably on pallets). Protect against direct sunlight. Keep away from food and beverages. Protect against humidity – product irreversibly hardens after exposure to humidity. While maintaining the given conditions, no adverse reactions known. Shelf life in conditions as specified is 12 months from the production date shown on the packaging.

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

At the time of publication of this product data sheet all previous ones become void.
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