



GIPSAR UNI

white gypsum finishing coat

- reinforced with polymers
- optimum hardness
- perfect spreadability
- well coated with paints
- snow-white colour



Use

Application of gypsum finishing coats upon walls and ceilings.
Filling small gaps in walls and ceilings – can be used for surface repairs before gypsum top finish application.

Types of substrates – concrete, aerated concrete, cement-, cement-lime- and gypsum plasters.
Types of finishing coats – paint coats and wallpapers.

Properties

Double bond - two parallel processes - resin netting and gypsum crystalline net formation - reinforce uniformly whole top finish coat, improve its strength parameters and improve bonding to substrates.

Reinforced with polymers - addition of up-to-date polymers (redispersible powder resins) allows to apply top finish characterised by high bonding to substrates and strong, tight internal structure.

Enables more effective coating with paint – owing to enhancement with polymer additives, forms perfect substrate for modern paints.

Forms uniform, strong and smooth surface for painting and wallpapering.

Resistant to cracking resulting from contraction during setting.

High water retention – keeps appropriate amount of water in the mass, which is necessary for proper coat setting.

Snow-white top finish – enables effective coating with paints and reduces their consumption.

Technical data

GIPSAR UNI is manufactured as a dry mix of anhydrite powder, lime fillers and modifiers.

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| Bulk density (of dry mix) | approx. 1.06 kg/dm ³ |
| Mass bulk density (after mixing) | approx. 1.43 kg/dm ³ |
| Dry density (after setting) | approx. 1.42 kg/dm ³ |
| Mixing ratio (water / dry mix) | 0.39 ÷ 0.40 l / 1 kg 1.95 ÷ 2.00 l / 5 kg 3.90 ÷ 4.00 l / 10 kg 7.80 ÷ 8.00 l / 20 kg |
| Maximum single coat thickness | 2 mm |
| Bonding | min. 0.5 MPa |
| Mass preparation temperature, substrate and ambient temperature during work | from +5°C to +25°C |
| Maturing time | 5 minutes |
| Pot life | min. 90 minutes |

Technical requirements

GIPSAR UNI conforms to PN-EN 13279-1:2009 standard. EC Declaration of Performance No. 042/CPR.

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| CE | PN-EN 13279-1:2009 (EN 13279-1:2008) |
| Thin-coat gypsum plaster C6/20/2 | for application of top finishes indoors, upon walls, partition walls, ceilings |
| Content of gypsum binder per CaSO ₄ | 50% |
| Grain size: screening on sieve with square mesh side - 1500 µm | 0% |
| Beginning of the setting | > 20 minutes |
| Flexural strength | > 1.0 N/mm ² |
| Compressive strength | > 2.0 N/mm ² |
| Reaction to fire - class | A1 |
| Release/content of hazardous substances | See: Safety Data Sheet |

The product has been given the Radiation Hygiene Certificate.

Top finish application

Substrate preparation

The substrate should be:

- **stable** – sufficiently rigid and sufficiently long stabilized. The assumed stabilization time for substrates is respectively:
 - new cement plasters made of ATLAS mortars - min. 1 week for each 1 cm of thickness,
 - concrete walls – min. 28 days,
- **dry**,
- **even** – maximum GIPSAR UNI single coat thickness is 2 mm,
- **clean** - free from layers which would 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 agent,
- **primed**
 - with ATLAS UNI-GRUNT emulsion – in case of excessively absorptive substrates (gypsum plasters and prefabricated gypsum units do not require priming),
 - with ATLAS GRUNTO-PLAST mass – when substrate is of low absorptiveness or is coated with layers limiting bonding.

Moreover, any steel elements which may come in contact with top finish must be protected against corrosion.

Mass preparation

Pour the mortar from the bag into a clean container with the suitable amount of water (see Technical Data for ratio) and mix manually or mechanically (with a mixer with a drill for gypsum) until homogenous and free of lumps. Leave the mass to rest for 5 minutes and remix. So prepared mass must be used up within approx. 90 minutes.

Top finish application

Apply the mass uniformly with a smooth stainless steel float, successively smooth the finish surface. Apply mass upon walls with strips, start from floor and move towards ceiling, move the float upwards. In case of ceilings, apply mass in strips starting from window and moving inwards, move the float towards yourself.

Grinding

When dries, the mass can be grinded by hand with appropriate sand paper or polishing mesh. Any irregularities should be re-coated with thin mass layer and grinded.

Finishing works

Painting and wallpapering can start when top finish coat dries. Acrylic paints (e.g. ATLAS ecoFARBA) or latex paints (e.g. ATLAS optiFARBA or ATLAS proFARBA) can be used. Before painting, prime the top finish with primer recommended by the paint manufacturer, e.g. ATLAS BASE COAT PAINT. Before fixing the cladding, prime surface with ATLAS UNI-GRUNT emulsion.

Consumption

Average consumption is approx. 1.0 kg of mass/ 1 m² / 1 mm of coat thickness.

Important additional information

- Mass must be prepared in clean containers (residues of set gypsum reduce the time of setting of freshly mixed gypsum mass).
- Mass consistency must be thicker for intended gaps filling (in comparison to consistency for top finish application).
- Top finish must not be applied upon surfaces directly exposed to humidity.
- Do not apply gypsum top finish 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 SZOP agent.
- Contains cement. Causes serious eye damage. May cause an allergic skin reaction. Keep out of reach of children. Avoid breathing dust. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or a rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Follow the instructions of the Safety Data Sheet.
- The product should be transported and stored in tightly sealed bags, in dry conditions (preferably on pallets). Protect against humidity. Shelf life in conditions as specified is 9 months from the production date shown on the packaging.

Packaging

Foil bags: 5, 10, 20 kg.

Pallet: 1,100 kg in 5 kg bags 1,100 kg in 10 kg bags 1,080 kg in 20 kg bags.

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 this product data sheet all previous ones become void.

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