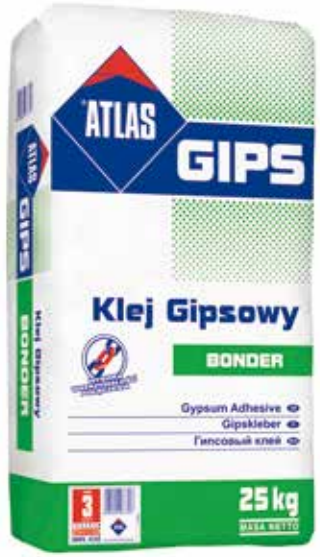

ATLAS GIPS BONDER

gypsum adhesive

- very high bonding to substrates and plasterboards
- very good plasticity during board fixing
- optimum pot life
- high bond strength
- layer thickness 5-20 mm

Use

Fixing plasterboards – when finishing interior walls, during repair works or finishing newly constructed rooms.
Fixing decorative moldings and other gypsum ornaments.
Fixing rigid thermal or acoustic insulation composite boards.
Filling gaps in mineral substrates, up to 20 mm deep.

Types of substrates – walls of bricks, blocks, hollow blocks and other similar ceramic or silicate elements, concrete and aerated concrete, cement and cement-lime plasters.

Properties

Very good plasticity – adhesive is easy to apply, changes shape easily during board positioning and pressing, adjusts to the substrate unevenness.
Optimum pot life – extended time of setting in order to facilitate application of adhesive and board positioning and fixing.
High strength – ensures durable and strong bond between plasterboards and substrate.
Low shrinkage after setting – adhesive layer is free from internal cracks and deformation after setting, which guarantees good bond stability.

Technical data

ATLAS GIPS BONDER is manufactured as a dry mix of gypsum, mineral fillers and modifiers.

Bulk density (of dry mix)	approx. 1.10 kg/dm^3
Mass bulk density (after mixing)	approx. 1.56 kg/dm^3
Dry density (after setting)	approx. 1.03 kg/dm^3
Mixing ratio (water / dry mix)	approx. 0.5 l/ 1 kg approx. 12.5 l/ 25 kg
Min./max. layer thickness	5 mm/ 20 mm
Flexural strength	min. 2.5 MPa
Compressive strength	min. 6.0 MPa
Mass preparation temperature, substrate and ambient temperature during work	from +5°C to +30°C
Pot life	approx. 45 minutes
Open time	approx. 15 minutes

Technical requirements

ATLAS GIPS BONDER conforms to PN-EN 14496:2007 standard. EC Declaration of Performance No. V/18/CPR.

CE	PN-EN 13963:2008 (EN 13963:2005 + AC:2006)
Gypsum adhesive for thermal and acoustic insulation composite boards and plasterboards.	for indoor use
Reaction to fire - class	A1
Content of gypsum binder per $CaSO_4$	≥ 30%
Pot life	≥ 45 minutes
Bonding	≥ 0.06 MPa
Release/content of hazardous substances	See: Safety Data Sheet

Boards fixing

Substrate preparation
Substrate should be:
- **stable** - sufficiently sound,
- **stabilized to air-dry state** - the assumed stabilization time for concrete substrates is min. 28 days (in standard conditions, i.e. temperature approx. +20°C and humidity 55% - in other conditions the time of drying can extend),
- **cleaned** – of any materials which would impair bonding of adhesive, especially dust, dirt, lime, oil, fats, wax, residues of paint coats and anti-adhesion agents,
- **primed**
  - with ATLAS optiGRUNT emulsion – in case of excessively absorptive substrates,
  - 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 material from the bag into a container with water (see Technical Data for ratio), mix manually or mechanically (using a mixer with a drill for gypsum) until homogenous and free of lumps. Adhesive must be used up within approx. 45 minutes.

Boards fixing
Method of adhesive application and plasterboard fixing depends on surface evenness.
Even substrates (irregularities up to 4 mm): place board horizontally on floor, face down, apply adhesive with a notched trowel (notch size 8 - 10 mm), lift the board and press it against wall.
Uneven substrates (unevenness up to 15 mm): place board horizontally on floor, face down, apply adhesive with a trowel or a spatula, with dabs approx. 10 cm in diameter and up to 20 mm thick, spaced 30 – 40 cm; additionally spread a few dabs along board edges. Lift the board and press against wall.
Uneven substrates (unevenness above 15 mm): fix with dabs of adhesive vertical and horizontal strips of cut plasterboard, approx. 10 cm wide, spaced approx. 60 cm. The strips should define single plane. Fix main plasterboards upon formed structure.
Caution! Regardless the method of fixing, free gaps should be left between boards and floor (approx. 10 mm), between boards and ceiling (approx. 5 mm) and between adjoining boards (approx. 2 mm). Boards can be fixed and positioned within approx. 10-15 minutes since adhesive application (depending on substrate absorptiveness and ambient temperature). Ventilate the room, avoiding draughts and direct sunlight during adhesive drying.

Consumption

Average consumption is approx. 2.5 – 5.0 kg / 1 m^2 of plasterboard. Actual consumption depends on substrate evenness and method of fixing.

Important additional information

- Adhesive must be prepared in clean containers (residues of set gypsum reduce the time of setting of freshly mixed gypsum mass).
- Adhesive should not be used to fix boards upon ceilings (it is advisable to fix them to framing).
- Plasterboards must not be fixed upon surfaces directly exposed to humidity.
- Clean the tools with water directly after use.
- Avoid contact with skin and eyes. In case of contact with eyes, contact a doctor. 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 12 months from the production date shown on the packaging. Non-compliance with the guidelines above may affect the properties of the product.

Packaging

Paper bags: 25 kg.
Pallet: 1,050 kg in 25 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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