



ATLAS BONDER+

adhesive for plasterboards

- very good adhesion to the substrate and to the plasterboard surface
- strong bonding of the plasterboard to the substrate
- fibre-reinforced – for high stability of the bonded boards
- suitable for bonding plaster blocks and plaster stucco
- high plasticity for easy application



CORRECTION TIME FOR
FRESHLY GLED BOARDS



POT LIFE



EMBEDDING OF EDGE
PROTECTION PROFILES



LAYER
THICKNESS

Properties

Contains fibres to improve the stability of the bonded panel – especially with thick layers of adhesive.



High plasticity – the adhesive is easy to apply, changes shape when the board is positioned and pressed against it, and adapts to the irregularities of the substrate.

Optimum correction time for freshly glued panels – up to 20 minutes – allows easy application of the adhesive and enough time for positioning and correcting the boards.

High strength – ensures a permanent and strong bond of the plasterboard to the substrate.

Low shrinkage after setting – there are no internal cracks or deformations in the adhesive layer, so the bond is highly stable immediately after setting.

ATLAS BONDER is a dry mix based on synthetic gypsum, mineral fillers and modifying additives.

Intended use

Gluing of plasterboard – finishing of interior walls during renovations or in new buildings.

Application of decorative stucco.

Bonding of rigid composite panels for thermal and sound insulation.

Filling of defects up to 30 mm deep in mineral substrates.

Suitable for the following substrates: Brick, block and perforated brick walls and other similar walls made of ceramic or silicate material; gypsum, concrete and aerated concrete surfaces.

Technical data

Bulk density (of dry mix)	approx. 1.10 kg/dm ³
Mixing ratios of water / dry mix	approx. 0.46 l / 1 kg approx. 11.5 l / 25 kg
Min. / max. adhesive layer thickness under the board	5 mm / 30 mm
Bending strength	≥ 2.5 MPa
Compressive strength	≥ 6.0 MPa
Ambient and substrate temperature during mixing and during the works	from +5 °C to +30 °C
Humidity in the room during application and use	up to 70 %
Pot life*	approx. 90 minutes
Correction time:*	
- plasterboard, - plaster blocks	approx. 20 minutes approx. 10 minutes

*) - for T=20 °C, relative humidity 60 %

Technical requirements

ATLAS BONDER meets the requirements of the following standards:

- PN-EN 14496:2007 – Gypsum based adhesives for thermal/acoustic insulation composite panels and gypsum boards
- PN-EN 12860:2002 – Gypsum based adhesives for gypsum blocks

ATLAS BONDER (2022) Declaration of performance no. A18/2/CPR EN 14496:2005 EN 12860:2001 EN 12860:2001/AC:2002	
Intended use: - general construction, - jointing of plasterboard or other gypsum elements.	
Reaction to fire (with direct exposure)	A1
Adhesion	≥ 0.06 MPa

Installation of boards

Substrate preparation

The substrate should be:

stable – load bearing

Air-dry cured – for concrete substrates, a drying time of 28 days is assumed (under standard conditions, i.e. approx. 20 °C and 55 % humidity – under other conditions this time may be longer),

clean – free from substances that could affect the adhesion of the plaster, such as dust, dirt, lime, oil, grease, wax or residues of paints and non-stick agents,

primed – if the substrate has excessive or uneven absorbency,

- ATLAS GRUNT NKP (ready-to-use - without dilution), - ATLAS UNI-GRUNT,

- ATLAS UNI-GRUNT KOLOR,

- ATLAS UNI-GRUNT ULTRA,

coated with an adhesion primer, if the substrate has low absorbency or has a coating that impairs adhesion.

- ATLAS ULTRAGRUNT,

- ATLAS GRUNTO-PLAST.

All steel components that may come into contact with the adhesive must be protected against corrosion.

Mortar preparation

Pour the material from the bag into a clean container with water (the proportions are given in the Technical Data) and then mix it by hand or mechanically (using a slow-speed mixer with a mixing paddle for plaster) until you obtain a uniform mass without lumps. Use the adhesive within approx. 45 minutes after mixing.

Installation of boards

The method of applying the adhesive and gluing the boards depends on the evenness of the substrate.

Even substrates (unevenness up to 5 mm): Lay the board horizontally face down on the floor, apply the adhesive with a notched trowel (tooth height 10-12 mm), then lift the board and press it against the wall.

Uneven substrates (unevenness over 5 mm): Lay the board horizontally face down on the floor, apply the adhesive with a trowel or spatula in blobs of 10 cm diameter at intervals of approx. 30 cm and spread a few additional blobs of adhesive along the edge of the board. Lift the board and press it against the wall.

If there are severe irregularities in the substrate, use strips of plasterboard.

The position of the boards can be corrected for about 20 minutes after applying the adhesive (depending on the absorbency of the substrate and the temperature in the room). After this time, further interventions in the position of the board can lead to reduced adhesion of the adhesive and its detachment from the substrate. Remember to keep a minimum distance of approx. 1.5 cm between the board and the walls, floor and ceiling. While the adhesive is drying, ventilate the rooms, avoid draughts and direct sunlight.

Gluing plaster blocks

Spread the adhesive evenly over the entire edge of the block (in the grooves). Then add another block and press on it so that the excess adhesive flows out of the joint (it should be removed with a trowel or spatula). Boards with applied adhesive should be glued down within approx. 10 minutes. Any defects should also be filled with adhesive. The gypsum adhesive layer must not be thicker than 5 mm.

Consumption

On average, you need:

- 2.5-5.0 kg adhesive/1 m² – gluing of plasterboards,
- 1.0-1.5 kg adhesive/1 m² – gluing of plaster blocks.

Consumption depends on the evenness of the substrate and the method used to glue the boards.

Packaging

25 kg paper bags.

Safety information

Safety information is provided on the product packaging and in the Safety Data Sheet available at www.atlas.com.pl.

Storage and transport

Information on storage and transport is provided on the product packaging and in the Material Safety Data Sheet available at www.atlas.com.pl.

The shelf life of the product (use-by date) is 12 months from the date of manufacture on the packaging.

Important additional information

The adhesive should be mixed in clean containers (residues of bound plaster shorten the setting time of the fresh plaster mass).

The gypsum adhesive should not be used to bond plasterboard to ceilings (on ceilings we recommend a supporting structure).

Plasterboard cannot be applied to substrates that are exposed to direct moisture.

Tools must be cleaned with clean water immediately after use.

The information in the Product Data Sheet constitutes basic guidelines concerning the use of the product and does not release from the obligation to conduct work according to the best construction practices and health and safety at work regulations. On the date of issue of this Product Data Sheet, all previous Product Data Sheets become invalid. The accompanying documents for the product are available at www.atlas.com.pl.

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