



ATLAS STONER

filling gypsum for tapeless jointing

- high strength and hardness
- excellent application even at high temperatures
- easy to process - manual and mechanical sanding
- for levelling substrates, repairing cavities and cracks, filling in fissures
- easy application - very good ductility



REINFORCED
WITH FIBRES



RESISTANT
TO CRACKING



POT LIFE



LAYER
THICKNESS

Properties

ATLAS STONER is produced as a dry mixture modified with special polymers and an appropriately selected amount of cellulose fibres.

Fibre reinforcement - fibres improve water retention, making the mortar easier to mix and distribute; once set, they reinforce and thicken the structure of the hardened gypsum, increasing its resistance to possible cracking.

Plasticity - it is easy and very convenient to apply, both when inserting between plasterboards and when smoothing and final profiling the surface.

Increased strength - provides a permanent, sufficiently strong and flexible joint between plasterboards

Low shrinkage during setting - the lack of internal stresses arising in the gypsum layer ensures high stability of the resulting joint; the mass is stable, does not drag or swell.

Long pot life when mixed with water - 60 minutes.

Purpose

Plasterboard jointing - no need for additional reinforcement in the form of tapes in the case of boards with pre-shaped edges.

Repairing wall and ceiling surfaces - recommended for gypsum substrates, for local repairs of gypsum plaster, top finishes or plasterboard.

Technical data

ATLAS STONER is produced as a dry mixture based on gypsum of the alpha variety, mineral fillers and modifying additives.

Bulk density (dry mix)	0.9 kg/dm ³
Mixing ratio water / dry mix	approx. 0.48 l / 1 kg approx. 2.4 l / 5 kg
Min. / max. layer thickness	2 mm / 15 mm
Bending strength	≥ 3.0 N/mm ²
Compressive strength	≥ 6.0 N/mm ²
Temperature of mass preparation and the substrate and surroundings during the work	from +5 °C to +30 °C
Room humidity during work and use	up to 70%
Pot life*	approx. 60 minutes

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

Technical requirements

ATLAS STONER complies with the requirements of EN 13963:2008 - 4B EN 13963 - filling gypsum for tapeless plasterboard jointing, for manual application inside buildings, with standard setting time.

ATLAS STONER (2022) Declaration of performance A22/2/CPR EN 13963:2005 + AC:2006	
Intended use: building construction	
Reaction to fire (on direct exposure)	A1
Bending strength	260 N

Plasterboard jointing

Substrate preparation

Requirements for plasterboard construction:

- stable and sufficiently rigidly attached to the substrate with:
 - adhesive,
 - ATLAS M-System connectors,
 - grate,
- fixed leaving a gap of approx. 2 mm between adjacent boards,
- the spacing between the boards and the structural elements of the building should allow a controlled crack (expansion joint) to form.

Requirements for plasterboard edges:

- the edges of boards cut on site should be chamfered at an angle of approx. 45° with a knife or planer,
- cleaned of dust and other layers that may impair adhesion,
- primed with one of the emulsions:
 - ATLAS GRUNT NKP,
 - ATLAS UNI-GRUNT or ATLAS UNI-GRUNT COLOUR,
 - ATLAS UNI-GRUNT ULTRA.

NOTES:

- priming is mandatory when jointing boards with cut and chamfered edges under construction conditions,
- it is recommended that jointing of the boards takes place after all wet work has been completed indoors, at a stable humidity and ambient temperature.

Mass preparation

The material from the bag should be poured slowly into a clean container with water (the proportions are given in the Technical Data), allow to soak completely, for approx. 3-5 minutes, and then stir manually or mechanically (with a slow speed mixer with a gypsum mixer) for 1 to 2 minutes. Use the prepared mix within approx. 60 minutes of preparation.

Jointing - without tape

The work is recommended to be carried out in two stages. In the first, the mortar is applied transversely to the edges of the boards, directly into the space between adjacent boards, aiming to fill it fully and as deep as possible throughout the thickness of the boards. Excess mortar is squeezed out and spread with a smooth motion along the joint. The joints thus filled are left until the gypsum surface has hardened. In the second stage, the mortar from the new mortar is applied again to the joint and spread until an even and smooth surface is achieved. Any irregularities are sanded with fine-grained sandpaper after drying.

Jointing - with tape

Apply the mortar directly into the space between adjacent boards, aiming to fill it fully and as deeply as possible throughout the thickness of the boards. Press a tape (mesh, paper, fleece or fibreglass for fire boards) into the freshly applied compound so that it adheres to the substrate thoroughly and without folds. Cover the surface of the tape with a thin layer of gypsum and allow it to harden. Once the gypsum has hardened, apply a second coat of filler with a width greater than the previous coat. When jointing boards with edges cut on site, the width of the second layer should be at least 40 cm in order to ensure proper flush with the surface of the boards. Any irregularities should be sanded down with fine-grained sandpaper after drying.

While the joint is drying, it is advisable to avoid direct sunlight, draughts, intense heating or cooling of the premises and adequate ventilation should be provided.

Consumption

On average, approximately 0.5 kg is used per 1 m of plasterboard joint. The consumption depends on the thickness and the shape and profiling of the plasterboard edges.

Packaging

5 kg plastic bag.

Safety information

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

The shelf life of the product (shelf life) is:

- 15 months from the production date on the packaging (plastic bag).

Important additional information

For boards that are cut and chamfered on site, installed in a single layer or where operating conditions create the possibility of high stresses (e.g. loft buildings), reinforcement of the joint with glass fibre tape, paper tape or fleece is recommended.

The mortar should be prepared in clean containers (residues of bonded gypsum shorten the setting time of the fresh gypsum mix).

Plasterboard must not be installed on substrates exposed to direct moisture. All steel components which may come into contact with gypsum should be protected against corrosion.

Use stainless steel tools, which should be cleaned with clean water, immediately after use.

The information contained in this Technical Data Sheet is a basic guideline for the use of the product and does not release you from the obligation to carry out the work in accordance with the rules of the art of construction and safety regulations. With the issue of this Technical Data Sheet, all previous ones are no longer valid. The documents accompanying the product are available at www.atlas.com.pl.

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