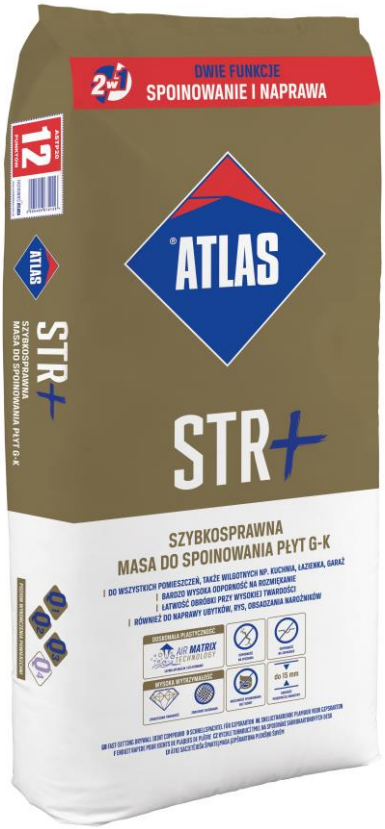

ATLAS STR+

fast-setting compound for jointing plasterboard

- for repairing holes and cracks and for corner finishing
- suitable for all rooms, including damp areas such as kitchens, bathrooms and garages
- very high resistance to softening
- board finish quality levels Q1-Q3
- for jointing without the use of tape (KPO and KPOS edges in accordance with PN-EN 520)
- high strength and hardness
- short setting time and rapid drying allow for shorter processing times and the application of subsequent layers
- can be mixed by hand or mechanically

Properties

ATLAS STR+ is a material manufactured from carefully selected alpha gypsum, enriched with special mineral fillers with a fibrous structure. These ensure ease of application, stability and the ability to apply thicker layers without the mixture collapsing. The product is reinforced with polymers and fibres.

AirMatrix Technology – an advanced air matrix with a uniform and stable structure, evenly distributed throughout the compound, provides:
- low weight,
- ease of application,
- the ability to easily fill and spread the compound across the surface,
- quick and even drying,
- ease of sanding, resulting in a uniform and stable surface characterised by high strength and hardness.

Fibre reinforcement – the fibres improve water retention, facilitating mixing and spreading of the compound; once set, they strengthen and densify the structure of the hardened binder, increasing its resistance to micro-cracking.

Optimally selected hardness – allowing for the sanding of (minor) unevenness.

Fast-setting – a very rapid process:
- drying – enabling the next stage of work to begin early,
- development of the strength required to continue work during the first few hours of setting,
- surface sanding – hardness remains constant during setting,
- achieving service hardness – resistance to mechanical damage.

Workability – thanks to special fibrous fillers, the product is easy to apply and finish, both when filling gaps between plasterboard edges and when smoothing, filling defects and finishing the surface.

Increased strength – ensures a durable, suitably strong and flexible joint between plasterboards.

Low shrinkage during setting – the reduction of internal stresses arising during the setting stage ensures high joint stability. The compound retains a constant volume after application, does not collapse
in joints and cavities, and does not swell.

Uniform drying – the compound dries evenly across the entire surface.

Long working time after mixing with water – 60 minutes.

Very high resistance to softening – this results from the use of alpha-type gypsum and specially selected redispersible agents, which ensure the structural, mechanical and surface stability of the hardened product layer. Thanks to its compact, dense microstructure, the material has limited moisture absorption. The product retains its properties both when exposed to moisture from subsequent finishing stages and to ambient moisture, allowing for safe use even in rooms with high humidity .

Intended use

Jointing of plasterboards – without the need for additional reinforcement in the form of tapes in the case of boards with factory-formed edges.

Repairing wall and ceiling surfaces – recommended for spot repairs to compound and skim coat surfaces or plasterboards.

Fitting corner beads and spot repairs to damaged boards.

Full-surface filling of walls and ceilings.

Technical Data

ATLAS STR+ is produced as a dry mix based on alpha gypsum, mineral fillers and modifying additives.

Bulk density (dry mix)	0.9 kg/dm^3
Mixing ratio water / dry mix	approx. 0.41–0.43 l / 1 kg approx. 2.05–2.15 l / 5 kg approx. 8.2–8.6 l / 20 kg
Min. / max. layer thickness	2 mm / 15 mm
Flexural strength	≥ 3.0 N/mm^2
Compressive strength	≥ 6.0 N/mm^2
Temperature of the mixture and of the substrate and ambient temperature during application	from +5 °C to +30 °C
Relative humidity in the room during installation and use	up to 80%
Working time*	approx. 60 minutes

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

Technical requirements

ATLAS STR+ complies with the requirements of PN-EN 13963:2008 - 4B EN 13963 - joint compound for plasterboard joints, for jointing without tape, for manual application indoors, with standard setting time.

ATLAS STR+ (2026) Declaration of Performance 309/CPR EN 13963:2005 + AC:2006	
Intended use: building construction	
Reaction to fire	A1
Bending strength	260 N

Jointing of plasterboards

Substrate preparation

Install the boards in accordance with the manufacturer's instructions, ensuring that an expansion gap is left between the plasterboard surfaces, particularly at the ceiling and floor.

Requirements for plasterboard structures:

- dry, free from dust and dirt, and stable and sufficiently rigidly fixed to the substrate using:
  - ATLAS BONDER+ adhesive,
  - ATLAS M-System fasteners,
  - a grid,
- fixed with a gap of approx. 2 mm between adjacent boards (for tape-free joints) and 0–3 mm (for joints using tape),
- the necessary clearances must be maintained, e.g. between wall and ceiling casings, to allow for the compensation of stresses occurring there.

Requirements for the edges of plasterboards:

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

NOTE:

- Priming is mandatory when grouting panels with cut and bevelled edges on site;
- It is recommended that the jointing of boards takes place after all wet work in the rooms has been completed, when the ambient humidity and temperature are stable.

Preparation of the compound

Slowly pour the material from the bag into a clean container containing water (proportions are given in the Technical Data), leave to soak completely for approx. 3–5 minutes, then mix by hand or mechanically (using a low-speed mixer with a compound paddle) for 1 to 2 minutes. Use the prepared mixture within approx. 60 minutes of preparation.

Grouting – without using tape

For jointing without reinforcing tape, you can use boards with the following edge profiles:
- semi-circular,
- flattened semi-circular.

Designations: KPO and KPOS in accordance with standard PN-EN 520.

For surfaces that will ultimately be finished with skim coat (plasterboard joints, filling of voids and grooves), a single application of ATLAS STR+ fast-setting compound is recommended. Where these surfaces will not be covered with skim coat, it may be necessary to apply two coats of ATLAS STR+ fast-setting compound.

Jointing – using tape

Reinforcing the joint with tape is recommended in the following cases:
- boards cut to size and bevelled on site,
- single-layer installed boards,
- boards installed in areas where operating conditions may cause high stresses (e.g. loft conversions).

The following tapes can be used for jointing:
- mesh tape,
- paper tape,
- non-woven tape
- fibreglass tape for fire-resistant boards.

Apply the compound directly into the space between adjacent boards, aiming to fill it completely and as deeply as possible across the entire thickness of the boards. Press the tape into the freshly applied compound so that it adheres to the substrate precisely and without creases. Cover the surface of the tape with a thin layer of compound and leave to set. Once the compound has set, apply a second layer of filler, wider than the previous one.

When jointing boards with edges cut on site, to ensure a flush finish with the board surface, the width of the second layer should be at least 40 cm. Any unevenness after drying should be sanded down with fine-grained sandpaper.

While the joint is drying, it is recommended to avoid direct sunlight, draughts, and intense heating or cooling of the room, and to ensure adequate ventilation.

Full-surface filling:

Apply the compound by hand. It is recommended to use a smooth stainless steel trowel. Apply the compound to walls in strips from floor to ceiling, moving the trowel from bottom to top and smoothing it out as work progresses. For ceilings, apply the compound in strips from the window towards the centre of the room, pulling the trowel 'towards you'.

Repairing defects and cracks

Apply the compound by hand. We recommend using a smooth stainless steel trowel. When repairing defects or scratches, apply the compound in small amounts to ensure that the entire area being repaired is fully filled. For deeper defects, apply the mixed product in layers using the wet-on-wet technique. Filling large gaps in a single go may result in the space not being fully filled, which will adversely affect the quality of the repair.

Consumption

On average, 0.5 kg is used per 1 metre of plasterboard joint. Consumption depends on the thickness, shape and edge profiling of the plasterboard.

Packaging

5 kg and 20 kg plastic 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 Safety Data Sheet, available at www.atlas.com.pl.

The product's shelf life is 12 months.

Important additional information

The compound should be prepared in clean containers (residues of set gypsum reduce the setting time of fresh gypsum compound).

Plasterboards must not be installed on substrates exposed to direct contact with water, unless they are impregnated boards or waterproofing has been applied to these substrates. All steel components that may come into contact with the compound 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 constitutes basic guidelines for the use of the product and does not exempt the user from the obligation to carry out work in accordance with good building practice and health and safety regulations. With the publication of this Technical Data Sheet, all previous versions are superseded. Documents accompanying the product are available at www.atlas.com.pl.

Date of update: 11.03.2026