ATLAS GTA

extra white polymer top finish

- perfectly white, perfectly smooth
- for application with a roller - easy, even and uniform application without splashing
- perfect consistency for application and top coat shaping
- no dusting – clean and safe wet sanding
- for manual and machine sanding

Properties

ATLAS GTA is a mass manufactured on the basis of resin binders, mineral fillers and modifying additives.

Perfectly white, perfectly smooth – thoroughly selected snow-white mineral fillers of optimum aggregate size allow to form perfectly smooth surface without further corrections.

Optimum consistency for application and top coat shaping – specially adjusted rheological parameters allow effortless application with a trowel, a roller or a plastering unit. Convenient top coat shaping produces smooth surface since the first move of a trowel.

Quick application with a roller – an ideal consistency and prolonged open time enable convenient and quick application with a roller. Top finish can be distributed uniformly without splashing.

Durable and elastic – elastic polymer bonds ensure high bonding and resistance to cracking of the coated surfaces.

For all types of gypsum filling: PSG1(Q1), PSG2(Q2), PSG3(Q3), PSG4(Q4). For filling joints of plasterboards with the use of reinforcing tapes or for filling of vast surfaces.

Safe application with the "wet on wet" method – reduced time of application and minimised risk of blistering.

"On wet" surface sanding – sanding wet surfaces produces perfectly smooth surface without dust, enables quick and clean progress of refurbishment works.

For manual and machine sanding – top coat hardness enables easy surface treatment, both mechanical and manual.

Use

Top finish application – upon interior walls and ceilings.

Application of finishing coats upon whole surfaces of plasterboards.

Plasterboards jointing with reinforcing tapes.

TYPE OF FINISHING COATS	
paint coats	+
wallpapers	+

TYPE OF SUBSTRATE	
concrete	+
cement, cement-lime plasters	+
gypsum plasters	+
plasterboards	+

TYPE OF OBJECTS	
residential housing	+
public, educational, office and healthcare facilities	+
commercial and service buildings	+

Technical data

Maximum single coat thickness	3 mm
Temperature of mass preparation, of substrate and ambient during application	from +5 °C up to +25 °C
Humidity in a room during application	up to 70%
Time of drying	approx. 6 h (1 mm coat, temperature +20°C, room humidity 55%)

Technical requirements

ATLAS GTA conforms to the requirements of the EN 15824:2017-07 and EN 13963:2005+AC:2006 standards. Declaration of Performance no. 175/CPR.

CE	EN 15824:2017 (PN-EN 15824:2017-07) EN 13963:2005+AC:2006 (PN-EN 13963:2008)
Intended application	For interior walls, ceilings, posts and partition walls. Building structures.
Bonding	0.3 MPa
Thermal conductivity coefficient	0.89 W/(m·K) average tabular value (λ10,dry,mat); P=90% (EN 1745:2012 tab. A.12)
Flexural strength	350 N*

*Value above is applicable for the system of ATLAS GTA applied in combination with the jointing tape Q FOLATAPES (Technical Approval AT-15-9467/2015).

Top finish application

Substrate preparation
The substrate should be:
- **sufficiently sound, stabilized to the air-dry state** - the assumed stabilization time for substrates is respectively:
- 1 week for each 1 cm of the layer thickness for freshly applied gypsum plasters (e.g. ATLAS SOLARIS), cement and cement-lime plasters,
- 28 days for concrete walls and ceilings,
Data above is applicable for standard conditions (+20^{0}C and 55% RH). At different conditions, the values may be different.
- **cleaned** of any materials which would impair bonding of the top coat, especially of dust, dirt, lime, oil, fats, wax, residues of paint coats and anti-adhesion agents,
- **primed:**
- with ATLAS GRUNTOWNIK or ATLAS UNI-GRUNT emulsion – in the case of excessively absorptive substrates,
- with ATLAS GRUNTO-PLAST contact coat– when the substrate is of low absorptiveness or is characterized by a smooth surface (e.g. concrete ceilings and walls)

Mass preparation
The mass is ready-to-use in the case of manual application. While applying the mass with a roller or a plastering unit it is allowed to dilute it with clean water in the amount of max. 2%. The mass should be stirred before use. Use mixers which does not cause the mass aeration.

Top coat application
Application with a roller
The mass should be applied with a roller of a minimum 11 mm fleece. It should be uniformly distributed over the substrate. The applied coat should be smoothened with a stainless steel trowel no later than 5 minutes since the application.
Application with a trowel
The mass should be uniformly applied with a stainless steel trowel by pressing against the substrate. Do not apply coats of thickness greater than listed.
Application of the subsequent coats
"wet on wet" – the next coat can be applied upon the initially set previous layer – the mass surface should be matt and touch-dry - usually approx. 2 hours since application (at temperature +20^{0}C and 55% humidity).
"wet on dry" – if the next layer is applied after drying and hardening of the previous layer, it is recommended to slightly moisten the surface with water.

Machine application
The following units are recommended for the machine application (the main device filter should be removed).

Plastering unit	Nozzle	Pressure
WAGNER PS 3.39 WAGNER HC 950 GRACO T-MAX 506 GRACO MARK VII GRACO MARK X	531, 533, 535 531, 533, 535 541, 551 531, 533 531, 533	Maximum working pressure

Sanding
Sanding should be carried out mechanically or manually, with a sandpaper or a net, when the surface gets completely dry.

Dust-free surface sanding
A dust-free surface sanding can be carried out after the top coat hardening. The treated surface should be moistened by spraying with water and sanded with circular moves with a trowel with rubber sponge until the surface of desired smoothness is formed.

Jointing with tapes
Apply mass directly into the space between adjoining boards, fill it completely. After initial bonding, apply a thin coat of the mass and adhere the reinforcing tape. The tape should be pressed to ensure it adheres precisely, without folds. Apply a thin coat of the mass on the tape and leave to harden. Mass is applicable also for coating heads of screws used for boards fixing.

Finishing works
Before start of the finishing works, the top coat surface should be completely dry and cleaned from dust arisen during sanding. Painting and wallpapering should be carried out after the surface priming, carried out in accordance to the recommendations of a paint or a wallpaper manufacturer.
The following paints can be used:
- acrylic paints, e.g. ATLAS ecoFARBA,
- latex paints, e.g. ATLAS optiFARBA. ATLAS proFARBA.

Consumption

Top coat application: average consumption approx. 1.0 kg of the mass for 1 m², for a single-coat application, depending on the coat thickness and the substrate quality.
Boards jointing: an average consumption approx. 0.5 kg of the mass for 1 m of plasterboard joints (the consumption depends on the thickness, shape and method of the plasterboard joints shaping).

Packaging

Plastic containers 18 kg.

Important additional information

- Stratification of the mass in a container (fluid separation) during its storage is a natural phenomenon. Mix the mass thoroughly before use in order to unify its consistency.
- During application, avoid soiling the material remained in the packaging, as it may cause deterioration of its performance. Unused material left in the packaging should be protected with a foil and tightly closed. An undiluted material remains valid until the expiry date.
- The top coat must not be applied upon surfaces directly exposed to humidity.
- Do not apply the top coat in rooms of relative air humidity exceeding 70% during prolonged periods of time, in rooms with draughts and strongly exposed to direct sunlight.
- The tools must be cleaned with clean water directly after use.
- Contains mixture of 5-chloride-2-methyl-2H-isothiasol-3-one [EC 247-500-7] and 2-methyl-2H-isothiasol-3-one [EC 220-239-6] (3:1). May produce an allergic reaction. Proceed in accordance to the Safety Data Sheet.
- The product should be transported and stored in cool, dry, well ventilated room, in labelled, tightly sealed and original containers. Avoid direct sunlight, heat sources, hot surfaces and open fire. Temperature of storage: from +5 °C up to +30 °C. Protect against freezing. Shelf life in conditions as specified is 12 months from the manufacturing date shown on the packaging.

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 of this product data sheet all previous ones become void. An up-to-date technical product documentation is available at www.atlas.com.pl/en.
Date of update: 2019-04-01