



ATLAS UNI-GRUNT

deep penetrating primer

- maximum substrate reinforcement effect
- express
- reduces and evens out absorbency
- increases adhesion
- for indoor and outdoor use
- application with a brush, roller or sprayer
- for top finishes, paints, adhesives, plasters, floors and self-levelling screeds



Properties

ATLAS UNI-GRUNT is a deep-penetrating primer based on the highest quality water-based polymer resin dispersion.

Express – very short drying time – depending on temperature and humidity conditions, new layers can be applied to the primed substrate after:

- approx. 15 minutes – for ATLAS adhesive mortars,
- after approx. 2 hours – for self-levelling floors and screeds, wallpapers, paint coatings on cement-lime plasters, silicate hollow bricks and aerated concrete blocks.

Maximum substrate reinforcement effect – penetrates the structure of the material, thanks to a very high content of polymer dispersions, reinforces it and binds it in the penetration zone.

Efficient – one canister of ATLAS UNI-GRUNT diluted 1:3 is sufficient to prime the same surface area as 4 canisters of regular READY-TO-USE primer.

Increases the efficiency of paints, finishing coats and adhesives – by sealing the structure of the primed substrate, it reduces the consumption of materials used for the next coat.

Facilitates the application of subsequent layers – paint coatings, adhesives, top finishes and fillers, self-levelling screeds and floors, carpet adhesives, wallpaper adhesives, thermal insulation adhesives for substrates, etc.

Reduces substrate absorbency – prevents excessive water from being drawn out of the product applied to primed substrates: cement-based screeds with or without underfloor heating, various types of plaster, etc.

Uniformity of substrate absorbency – the product applied in the next layer has the same bonding conditions across the entire surface, including areas where local repairs have been carried out.

Increases adhesion to the substrate - guarantees that the applied product achieves maximum parameters (e.g. strength, adhesion, hardness) by preventing moisture absorption by the substrate.

Binds loose particles of dust and dirt, as well as dust remaining after sanding and dedusting surfaces.

Designed for application at elevated temperatures - recommended for use between 5 °C and 30 °C, indoors and outdoors.

Very low VOC content – 15 times lower than the requirements for volatile organic compounds.

Colourless, solvent-free and water-soluble – the product is colourless after drying and does not cause discolouration of the substrate.

Can be applied with a roller, brush or spray.

Intended use

Substrate types – standard	
floors and cement-based screeds	+
anhydrite screeds	+
cement and cement-lime plasters and top finishes	+
gypsum plasters and top finishes	+
aerated concrete walls	+
brick or silicate block walls	+
ceramic brick or hollow block walls	+
gypsum block walls	+

Substrate types – difficult	
floors and cement-based screeds with underfloor heating	+
anhydrite screeds with underfloor heating	+
monolithic concrete	+
reinforced concrete	+
existing ceramic and stone cladding	use ATLAS GRUNTO-PLAST* or ATLAS ULTRAGRUNT*
terrazzo	use ATLAS ULTRAGRUNT*
OSB boards	Use ATLAS ULTRAGRUNT*
plasterboard	+
stable linoleum, PVC	use ATLAS ULTRAGRUNT*
concrete varnishes	use ATLAS ULTRAGRUNT*
paint coatings made of acrylic and latex interior paints	+
oil-based paint coatings	use ATLAS ULTRAGRUNT*

*applies to all types of finishing layers listed in the table below, except for paint coatings (due to the rough surface created by ATLAS GRUNTO-PLAST or ATLAS ULTRAGRUNT).

Type of finishing layer - refer to the manufacturer's recommendations for the finishing layer regarding priming underneath

tile cladding fixed with cement or gypsum adhesive	+
mineral waterproofing (slurries)	+
cement floors and floor screeds, anhydrite screeds	+
cement, cement-lime and gypsum plasters	+
gypsum and cement top finishes	+
paint coatings made of acrylic and latex interior paints	
wallpaper	+

Scope of application

indoors	+
outdoors	+
for horizontal surfaces	+
for vertical surfaces	+

Technical data

Emulsion density	approx. 1.0 g/cm ³
Substrate and ambient temperature during application	from +5 °C to +30 °C
Start of further work after priming (depending on the substrate)	- after approx. 15 minutes – applies to ATLAS adhesive mortars, - after approx. 2 hours – for self-levelling floors and screeds, wallpapers, paint coatings on cement-lime plasters, silicate hollow bricks and aerated concrete blocks.

Technical requirements

The primer is not classified as a construction product.

Priming

Substrate preparation

The substrate should be dry and free of dust, dirt, oil, grease and wax. All loose layers that are not properly bonded to the substrate must be removed before applying the emulsion.

Substrate preparation

Depending on the condition of the substrate and the type of subsequent layer, the primer should be applied diluted or undiluted, according to the table below

Substrate condition	Weak and highly absorbent substrates, e.g. cement-lime plasters, aerated concrete, silicate brick, mixocret screeds	Substrates with standard absorbency and load-bearing capacity	
Type of subsequent layer	floors plaster finishing coats paints waterproofing tile adhesives adhesives for insulation	flooring plasters	top finishes paints waterproofing tile adhesives adhesives for thermal insulation
Weight proportions of the solution emulsion : water	undiluted or apply twice (wet-on-wet method) with a dilution ratio of 1:1	1 : 1	1 : 3
Yield per 1 kg package	up to 20 m	up to 40 m ²	up to 80 m ²
coverage per 5 kg package	up to 100 m ²	up to 200 m ²	up to 400 m ²
coverage per 10 kg package	up to 200 m ²	up to 400 m ²	up to 800 m ²
coverage per 20 kg package	up to 400 m ²	up to 800 m ²	up to 1600 m ²

Priming

Apply the primer to the substrate once with a roller, brush or spray method, as a thin and even layer. Apply the primer until the substrate is saturated, so as not to cause puddles and streaks on the primed surface.

After the primer has dried, it is recommended to check the effectiveness of the priming by moistening the substrate with water and assessing the rate of absorption. If necessary, repeat the priming.

Use of the surface

The primer dries within approx. 2 hours. Painting, wallpapering, etc. should be started after the emulsion has dried. In the case of bonding ceramic tiles to dry cement and cement-lime substrates, work can be started after only 15 minutes after priming. After drying, the primer should form a matt surface.

Consumption

On average, 0.05÷ 0.2 kg of primer is consumed per 1 m². In practice, consumption depends on the absorbency of the substrate – see table in the section **Substrate preparation**.

Packaging

Plastic containers: 1 kg, 5 kg, 10 kg.

Safety information

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

ATLAS UNI-GRUNT – Cat. A/h/FW: maximum VOC content in the product 1.92 g/l, permissible VOC content 30 g/l

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 has a shelf life (use-by date) of 12 months from the date of manufacture indicated on the packaging.

Important additional information

Gypsum substrates must be primed before painting in accordance with the paint manufacturer's instructions.

Clean tools with clean water immediately after use.

Any emulsion stains can be removed with ATLAS SZOP 2000.

The information contained in the Technical Data Sheet constitutes basic guidelines for the use of the product and does not exempt the user from the obligation to perform work in accordance with the rules of good building practice and health and safety regulations. With the issue of this technical data sheet, all previous versions become invalid. Documents accompanying the product are available at www.atlas.com.pl.

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