ATLAS UNI-GRUNT ULTRA

deep-penetrating priming emulsion

- significantly improves adhesion to the substrate
- decreases and unifies substrate absorptiveness
- underneath adhesives, plasters, top coats, paints

3 x more safety

Proper substrate preparation is a base for a success of the entire construction project. The use of ATLAS UNI GRUNT ULTRA, a primer consisting very high content of polymeric dispersion, guarantees safety and assurance that the further works will be carried out on substrate:
- with optimally decreased and unified water absorption,
- unified absorptivity on entire surface,
- ensuring highest possibly adhesion to the following layers.

Properties

Substrates primed with ATLAS UNI GRUNT ULTRA have decreased and unified absorptivity, which ensures adhesion of the following layers.
Emulsion penetrates into the substrate, bonds aggregate grains and reinforces primed layer.
Ultra efficiency – one 5 kg packaging of ATLAS UNI-GRUNT ULTRA is sufficient for priming:
- 50 m^2 of floor prior to the application of self-levelling mass
- 115 m^2 of plaster prior to the application of top coat, installation of ceramic cladding,
- 150 m^2 of substrate prepared for painting.

Special pigment contained in product colours the substrate, which enables to control the work progress, while the primer is still wet and when it dries – the colour does not decrease ability for covering of painting coats.

Use

ATLAS UNI-GRUNT ULTRA is a priming agent for various types of substrate (walls, floors, ceilings), for indoor and outdoor use.
For priming substrates prior to the application of floors, installation of ceramic cladding, plastering, floating, wallpapering and painting.
Depending on type of construction work and place of application, primer should be diluted in compliance with the instruction.

Substrate type - standard	
cement floors and screeds	+
anhydrite screeds	+
cement and cement-lime plasters and top coats	+
gypsum plasters and top coats	+
polymer top coats	+
plasterboards	+
wall made of cellular concrete	+
wall made of silicate brick or blocks	+
wall made of ceramic brick or hollow blocks	+
walls made of gypsum blocks	+

Substrate type - difficult	
cement floors and screeds with floor heating	+
cement floors and screeds with floor heating	+
concrete	+
painting coats made of interior acrylic paints	+
renovated substrates, coated with floats and paints	+
existing ceramic and stone cladding	use ATLAS ULTRAGRUNT*
terrazzo	use ATLAS ULTRAGRUNT*
OSB boards	use ATLAS ULTRAGRUNT*
stable linoleum, PVC	use ATLAS ULTRAGRUNT*
concrete varnishes	use ATLAS ULTRAGRUNT*
oil-colour painting coat	use ATLAS ULTRAGRUNT*

*applicable for any type of finishing coats mentioned in table below, apart from painting coats (due to forming of coarse surface by ATLAS ULTRAGRUNT).

Type of finishing layer – recommendations of finishing layer material manufacturer, regarding priming agent beneath, should be followed	
cladding fixed with cement or gypsum adhesive	+
mineral and polymeric damp proofing	+
cement floors and screeds, anhydride screeds	+
cement, cement-lime, gypsum plasters	+
gypsum, cement top coats	+
painting coats made of interior acrylic and latex paints	+
wallpapers	+

Range of application	
indoors	+
outdoors	+
horizontal surfaces	+
vertical surfaces	+

Technical data

ATLAS UNI-GRUNT ULTRA, category A/h/FW maximum content of VOC in the product below 1.9 g/l, maximum allowable content of VOC 30 g/l.

Emulsion density	ok. 1,0 g/cm^3
Substrate and ambient temperature during work	od +5 °C do +30 °C
Further work after priming (depending on substrate type)	- after 15 minutes – plasters, silicate hollow blocks, aerated concrete blocks - after 2 hours – self-levelling floors

Technical requirements

The primer is not classified as a construction material. The product has been given the Hygienic Attest.

Priming

Substrate preparation
The substrate should be dry, free from dust, dirt, oils, grease and wax. Remove any loose, poorly bonded layers prior to the emulsion application. In case of gypsum plasters, the sediment formed during sanding should be removed.

Emulsion preparation
ATLAS UNI-GRUNT ULTRA is manufactured as an ultra-efficient emulsion, ready for use after dilution in water in the following ratio:
- 1:3 underneath the floor,
- 1:6 underneath the plasters and top coats,
- 1:8 underneath the paints.

Priming
The emulsion should be applied upon the substrate with a roller, brush, or spraying machine with thin and uniform coat. For the very absorptive and weak substrates, priming should be carried out twice, with wet on wet technology. In case of priming of surfaces underneath the floor. such emulsion should be poured on substrate and distributed evenly without forming puddles. If the substrate is still absorptive after product drying, priming should be repeated.

Surface use
Painting, wallpapering, tiling, etc., can commence when emulsion dries. The primer should form matt surface after drying. Time of drying depends on temperature and humidity conditions:
- 15 minutes – plasters, silicate hollow blocks, aerated concrete blocks
- 2 hours – floors and screeds

Consumption

Average consumption of ATLAS UNI-GRUNT ULTRA:
- 0,1 kg/m^2 underneath self-levelling screeds,
- 0,043 kg/m^2 underneath top coats, adhesives for ceramic cladding,
- 0,033 kg/m^2 underneath paints.

In practice consumption depends on substrate absorptivity level.

Type of following layer	Ratio of solution emulsion:water	Solution consumption	Consumption of ATLAS UNI-GRUNT ULTRA	Consumption of 5 kg container	Consumption of 1 kg container
self-levelling screeds	1 : 3	approx. 0.4 kg/m^2	**0.100 kg/m^2**	50 m^2	10 m^2
plasters, top coats, adhesives for tiles and thermal insulation	1 : 6	approx. 0.3 kg/m^2	**0.043 kg/m^2**	115 m^2	23 m^2
paints	1 : 8	approx. 0.3 kg/m^2	**0.033 kg/m^2**	150 m^2	30 m^2

Packaging

Plastic containers: 1 kg, 5 kg

Important additional information

- Before priming, carefully secure all elements nearby, e.g. glass, woodwork, flashings, etc. Tools should be cleaned with clean water directly after use.
- Possible emulsion stains can be removed with ATLAS AGENT FOR REMOVAL OF STAINS OF PAINTS, PRIMERS AND RENDERS.
- Contains 2-methylizothiazol-3(2H)-one. May produce an allergic reaction. Keep out of the reach of children. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Contains biocides:
  - Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione CAS:5395-50-6
  - 2-methyl-2H-isothiazol-3-one CAS: 2682-20-4
  - 1,2 – benzisothiazol-3(2H)-one CAS: 2634-33-5

  Proceed in accordance with the Safety Data Sheet.
- The product should be transported and stored in tightly sealed original and labelled packaging, in dry, cool and well ventilated room. Protect against direct sunlight, sources of heat, hot surfaces and open flames. Temperature of storage from +5°C up to +30°C. Protect against freezing. Product should be mixed before use. While maintaining conditions above, no adverse interactions known. Shelf life: 18 months from the date of manufacturing 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. All current technical documentation is available on www.atlas.com.pl/en.
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