



ATLAS SALTA N

silicone facade paint

- for the renovation of old building façades
- façade self-cleaning ability
- low absorptiveness
- no primer required



Properties

ATLAS SALTA N paint is a top quality product based on silicone resin, polymer dispersion, organic and inorganic pigments and modifying and hydrophobic additives.

Self-cleaning ability - thanks to the silicone resin and siloxane hydrophobisers, the painted surface cleans itself as precipitation flows down the façade.

Low absorptiveness - high content of polymer binders and water repellents provide a high degree of protection against run-off water and moisture.

Highly vapour-permeable - ensures free transport of water vapour and diffusion of moisture through the substrate to which the paint has been applied.

Excellent application and spreadability - the combination of thickeners gives the paint excellent working properties, eliminates splashing during roller application and ensures complete filling of inter-grain spaces, even of coarse-textured renders (even on the first coat).

Highly flexible - the paint has the ability to cover micro cracks, making it ideal for façade renovation; the paint does not peel or crack, works with the substrate and compensates for the thermal stress of the façade.

Early rain resistance - the optimally designed setting time of ATLAS SALTA N ensures its complete rain resistance as early as 2 hours after application.

Freedom of design - the paint is available in 400 colours - in accordance with the SAH Paints and Renders Colour Chart; individual colours can be ordered according to the sample.

High coverage and colour fastness - thanks to the organic and inorganic pigments used (including titanium white) with increased UV resistance, provides an excellent and long-lasting effect in just one coat.

Application at reduced temperatures - with the addition of ATLAS ESKIMO, it is possible to use the paint at reduced temperatures (up to 0°C) and at increased humidity (up to approx. 80%).

Recommended for fresh renders - can be applied to fresh mineral renders as early as 5 days after application.

Purpose

PLACE OF USE	
façade in an insulation system with polystyrene boards	+
façade with mineral wool insulation system	+
single-layer wall façade	+
ceiling side	+
wall inside the building	use ATLAS SALTA E

TYPES OF FACILITIES

housing construction	+
public, educational, office and healthcare buildings	+
commercial and service construction	+
industrial construction	+
industrial warehouses	+
traffic construction	+
underground garages	+
farm and livestock buildings	+
historic buildings	+
passive construction	+
energy-efficient construction	+

SURROUNDINGS OF THE FACILITY

urban and urbanised areas	+
rural and agricultural areas	+
close proximity to tree stands and green areas	+
Wetlands and humid areas, surroundings of water bodies	+
industrial, investment and economic zones	+
shaded areas	+

SUBSTRATE TYPE

concrete substrates (monolithic and prefabricated)	+
reinforced layers of insulation systems indicated	+
traditional cement and cement-lime renders	+
traditional lime and renovation renders	recommended ATLAS SALTA S
gypsum plaster, plasterboarding and filling	+
thin-coat mineral renders	+
thin-coat silicate renders	recommended ATLAS SALTA S
thin-coat acrylic renders	recommended ATLAS SALTA E
thin layer silicone and silicate-silicone renders	+
Masonry made from ceramic hollow blocks, silicate blocks, bricks, cellular concrete	+
plasterboard, OSB substrates	+
paint coatings - silicate	recommended ATLAS SALTA S
paint coatings - silicone	+
paint coatings - acrylic	recommended ATLAS SALTA E

Technical data

Density	1.44 g/cm ³
Temperature of the paint preparation and of the substrate and surroundings during the work	from +5 °C to +30 °C
Application of the next layer*	after approx. 6 hours
Drying time*	after approx. 2 hours
Gloss	G ₃ - matt
Coating thickness	100 < E ₃ < 200 µm
Grain size	S ₁ - fine < 100 µm
Water vapour transmission rate	Medium 15 < V ₂ < 150 g/m d ²
Water permeability	small W ₃ < 0.1 [kg/m h] ^{20,5}
Equivalent diffusion resistance S _d (for one layer)	0,14 - 1,4
Covering power	class 1 / capacity 8 m ²
pH	8
Degree of adhesion (according to PN-80/C-81531)	1
Coverage of scratches	Cat. A2
Resistance to scrubbing (according to PN 81913)	min. 10000 cycles
Diffusion resistance coefficient µ	700-7000 (1140)
Carbon dioxide permeability C	C1

*data for 20°C temperature and 50% humidity)

Technical requirements

ATLAS SALTA N paint is a component of product kits for thermal insulation systems :

Name of the system	Number of National Technical Assessment
ATLAS ETICS	ITB-KOT-2020/1616 Issue 3
ATLAS ETICS PLUS	ITB-KOT-2018/0584 Issue 1
ATLAS RENOTER	ITB-KOT-2021/2020 Issue 1
ATLAS ROKER	ITB-KOT-2021/1919 Issue 2
ATLAS ROKER G	ITB-KOT-2018/0583 Issue 1
ATLAS ROKER EPS	ITB-KOT-2020/1188 Issue 1

ATLAS SALTA N paint is a component of complex thermal insulation systems with render coatings

Name of the system	European Technical Assessment Number
ATLAS	ETA-06/0081 24/06/2016
ATLAS ROKER	ETA-06/0173 29/12/2022
ATLAS GRAWIS	ETA-16/0933 30/12/2016

Substrate preparation

The substrate should be dry, stable and load-bearing, i.e. sufficiently strong and cleaned from layers that may impair paint adhesion, especially from dust, dirt, wax and grease. Old, poor quality paint coatings and other layers with poor adhesion to the substrate, coatings made of dispersion paints should be carefully removed, and minor damages and cracks should be repaired and filled. No priming of the substrate is required.

Specific recommendations concerning the seasoning time of substrates before painting

thin-coat mineral renders	5 days
thin-layer dispersion renders	7 days
traditional mineral renders	2-4 weeks

Painting

Paint preparation

The paint is supplied ready for use. After opening the bucket, it is necessary to stir the contents in order to even out the consistency. This is best done mechanically using a slow speed mixer with a paint stirrer. The paint must not be mixed with other materials.

Diluting the paint

For the first application, add 5 % clean water (0.5 litres of water per 10 l paint container). The dilution ratio should be maintained over the entire painted surface. **For final painting and when painting by spraying, use paint undiluted.**

Painting

Apply a thin, even coat of paint to the prepared substrate. Painting can be done with a roller, brush or spraying method (e.g. Wagner HC 950, nozzle 517 - pressure 150-170 bar or nozzle HEA 517 - pressure 80-100 bar), once or twice depending on absorbency and structure of the ground. Breaks in the painting process should be planned in advance, e.g. in corners and folds of the building, under drain pipes, at colour interfaces, etc. The application of paint to the surface so planned should be carried out continuously, avoiding interruptions and avoiding painting over paint that is already partly dry. The drying time of the paint, depending on the substrate, temperature and relative humidity of the air, is between 2 and 6 hours.

Consumption

The consumption depends among other things on the absorbency of the substrate and the texture of the surface to be painted, therefore it is recommended to determine the exact consumption by means of a test. Approximate consumption standards for one coat of render are given in the table.

Type of render	Consumption	Yield per litre
thin-coat mineral renders	approx. 0.25 l/m ²	approx. 4,0 m ²
thin-layer dispersion renders	approx. 0.22 l/m ²	approx. 4,5 m ²
smooth renders	approx. 0.15 l/m ²	approx. 6,6 m ²

Packaging

Plastic buckets 10 l.

Safety information

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

Maximum VOC content in the product below 39.9 g/l, permissible VOC content 40 g/l. Cat. A/c/FW

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 (best before use) is 12 months from the production date on the packaging.

Important additional information

During storage, paints with a high binder to filler ratio undergo a natural and desirable sedimentation (delamination) phenomenon. This protects the paint in the packaging from drying out. Before use, the paint should be stirred mechanically.

The painting work **must not be** carried out in conditions of high humidity and low temperatures below +5 °C (after ATLAS ESKIMO addition below 0 °C). Protect the painted surface during the works and paint drying period from sunlight, wind and precipitation. In unfavourable weather conditions it may be necessary to apply a third coat to unify the surface.

When painting fresh render, the façade must be protected with nets from the time the rendering starts until, 24 h after the painting has been completed. Fresh mineral renders in favourable conditions (temperature above +5 °C, humidity below 65%) mature in a minimum of 5 days. In unfavourable conditions their drying is prolonged.

When painting old render, ensure that it has a minimum of 48 hours to dry from the end of rainfall (the higher the humidity, the longer this period should be).

Failure to comply with the manufacturer's requirements for substrate preparation, use and facade protection may lead to the natural phenomenon of discolouration and salt efflorescence.

The colour uniformity of the painted surface depends largely on the degree of drying of the substrate.

To avoid shade differences, paint with the same manufacturing date should be applied to one surface.

Painting naturally results in a slight smoothing of the substrate texture. Painting surfaces that differ in texture and technical parameters can result in different shades of paint colour.

Tools should be cleaned with clean water, immediately after use, before the paint dries.

The information contained in this Technical Data Sheet is a basic guideline for the use of the product and does not relieve the user of 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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