



ATLAS SALTA N PLUS

silicone facade paint

- outstanding self-cleaning ability of the facade
- superhydrophobic and vapour-permeable
- UV and weather resistant
- does not discolour when exposed to moisture
- no primer required



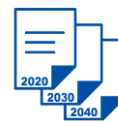
PERFECT
COATING



COLOUR
DURABILITY



MANUAL / MACHINE
APPLICATION



DURABILITY
FOR YEARS

Properties

ATLAS SALTA N PLUS paint is a top quality PREMIUM class product based on silicone resin, siloxanes, reactive siloxane hydrophobisers and natural hydrophobising substances, polymer dispersion, organic and inorganic pigments and modifying and hydrophobising additives.

Very high self-cleaning ability - thanks to the silicone resin and siloxane hydrophobisers, the painted surface has no electrostatic properties and thus hinders the adhesion of dust particles, dust, ash, pollen and fungal spores and cleans itself with precipitation running down the façade.

Extremely low absorptiveness - the high content of polymer binders and hydrophobisers provides the highest level of protection against run-off water and moisture - the coating has a "pearl effect".

Very high UV-resistance - provides an excellent and long-lasting effect.

High vapour-permeability - ensuring the free transport of water vapour and the diffusion of moisture through the substrate on which the paint has been applied.

Excellent spreadability - the combination of thickeners gives the paint excellent working properties and the ability to fully fill the voids even of coarse-textured renders (even on the first coat).

Extremely high flexibility - the paint does not peel or crack, works with the substrate and compensates for the thermal stresses of the façade.

Early rain resistance - the optimally designed setting time of ATLAS SALTA N PLUS ensures its complete rain resistance from 2 hours after drying (depending on conditions).

The hydrophobic substances used make the paint film completely non-wettable, so that it does not discolour when exposed to rain.

Hides microcracks - the use of fine-particle fillers and flexible binders creates a coating capable of bridging substrate cracks up to 500 µm.

Available in 400 colours - in accordance with SAH Render and Paint Colours; individual colours can be ordered according to the sample.

High covering power and colour fastness - thanks to the organic and inorganic pigments used (including a high content of titanium white) with long-lasting UV resistance, it provides an excellent and long-lasting effect.

It can be applied to fresh mineral renders as early as 5 days after application.

Purpose

PLACE OF USE	
single-layer wall facade	+
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	recommended ATLAS SALTA E
thin layer mineral and silicate renders	+
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
Application temperature (substrate and ambient)	from +5 °C to +30 °C
Application of the next layer	after approx. 3 h
Drying time (temperature 20°C, humidity 50%)	maximum 2 h
Early resistance to rain	minimum 2 hours after drying (depending on conditions)
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	< 0,15 m
Covering power	class 1 / capacity 8 m ²
pH	8
Degree of adhesion (according to PN-80/C-81531)	1
Resistance to scrubbing (according to PN 81913)	min. 10000 cycles
Resistance to scrubbing (according to EN 13300)	1
Diffusion resistance coefficient µ	300
Carbon dioxide permeability C	C1
Crack coverage A	A3

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

Technical requirements

Paint ATLAS SALTA N PLUS is a component of a set of products for performing insulation of external walls of buildings with systems :

Name of the system	National Technical Assessment
ATLAS ETICS	ITB-KOT-2020/1616 Issue 3

Substrate preparation

The substrate should be dry, stable and load-bearing, i.e. sufficiently strong and cleaned from layers that may impair adhesion of the paint, especially from dust, dirt, wax and grease. Old, poor quality paint coats and other layers of poor adhesion to the substrate should be thoroughly removed, and minor damages and cracks should be repaired and filled, e.g. with ATLAS ZW 330 mortar. Priming of the substrate is not 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. Once the bucket has been opened, the contents must be stirred to even out the consistency; in the case of an uncoloured paint base, the foil spacer must first be removed.

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 **100-120** bar), once or twice depending on absorbency and ground structure. 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 approx. 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 less than 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 date of manufacture 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.

Before painting, carefully protect all components in the vicinity, e.g. glazing, woodwork, flashings, etc., as dirt caused by silicone paint once it has dried is impossible to remove without risking damage to the substrate.

The painted surface should be protected, both during the work and while the paint is drying, from direct sunlight, wind and precipitation.

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 a given 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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