



ATLAS SILKON BA

concrete texture silicone render

- perfectly imitates exposed concrete
- freedom of colour and texture design
- highly UV- and water-resistant
- resistant to soiling
- can be applied in wet areas and on ceramic tiles



Properties

ATLAS SILKON BA is a ready-to-use silicone render based on a mixture of new generation silicone and acrylic resins, surface hydrophobic agents, mineral fillers, special modifying additives and carefully selected pigments. It is fibre-reinforced.

High UV and rain resistance of the façade - thanks to the combination of silicone and acrylic dispersions and hydrophobic agents, the render is highly resistant to all kinds of weather conditions.

No impregnation required - the façade surface has the ability to self-clean and prevents:

- the penetration of dirt into the structure of the render,
- the development of biological infestation, e.g. in the form of algae,
- the formation of surface soiling.

The surface of the render has a very low absorbency, and the hydrophobic layer as well as the high-density fillers effectively reduce the structural absorbency of the render.

Can be used in wet areas, e.g. in showers – even on old ceramic tiling.

Freedom of colour and texture design - the silicone render ATLAS SILKON BA can be modelled to create any effect, e.g.:

- the effect of exposed concrete with lots of pitting,
- the effect of monolithic concrete,
- the effect of grooved slabs,
- the effect of smooth slabs.

The render is available in 9 recommended colours – it can be made to order in any other shade.

The recommended render colours are durable and do not change over time – thanks to the use of appropriately selected inorganic and organic pigments.

High elasticity – the high content of acrylic resins ensures the transfer of considerable thermal and mechanical stresses, which, among other things, makes it possible to create façade surfaces also in dark colours.

Colour and texture
Smooth texture imitating exposed concrete
aggregate thickness
up to 1.2 mm

Intended use

ATLAS SILKON BA is used for making surfaces imitating the texture of concrete and the structure of trowelled render – it creates a durable and decorative finish on the façade surface. It may be applied on the whole façade surface, in the form of bossage or on fragments of the façade.

It can be used as an interior render, including in showers.

ATLAS SILKON BA is intended to be used as decorative and protective thin-coat rendering:

- in complex external thermal insulation cladding systems using polystyrene (EPS) boards,
- on even, properly prepared mineral substrates (e.g.: concrete, traditional cement and cement-lime renders),
- on old ceramic tiles after prior priming with ATLAS ULTRAGRUNT provided a good adhesion of the tiles to the substrate.

SURFACES	
single-layer wall façade	+
interior walls, including in bathrooms	+

TYPE OF SUBSTRATE	
concrete	+
traditional cement and cement-lime renders on masonry made of solid or hollow ceramic bricks, aerated concrete or silicate blocks	+
gypsum plasters, plasterboard (interior areas)	+
ceramic tiles	+

TYPES OF BUILDINGS	
residential housing	+
public and education facilities, office buildings, health care facilities	+
retail and service buildings	+
industrial facilities	+
industrial warehouses	+
communication facilities	+
farm and livestock buildings	+
historic buildings	+
passive buildings	+
low-energy buildings	+

LOCATION	
urban areas	+
industrial, investment and commercial areas	+
rural and agricultural areas	+
wetlands, areas near water reservoirs	+
close vicinity of trees and green areas	+
shaded areas	+

Technical data

Application temperature (substrate temperature and ambient temperature)	from +5 °C to +30 °C
Relative air humidity during application and setting	< 80 %
Diffusion resistance	0.14 m < S _d < 1.4 m
Application of the second layer *	after approx. 2 hours

*) applies to conditions: T= +20°C, air humidity 50%

Technical requirements

ATLAS SILKON BA meets the requirements of PN-EN 15824:2017-07
- thin-coat silicone render, water-dilutable, for use on external and internal walls, pillars and partitions.

ATLAS SILKON BA (2021) Declaration of performance no. 272/CPR. EN 15824:2017	
Intended use: for external walls, ceilings and pillars. For interior walls, ceilings, pillars and partitions.	
Water vapour permeability	V ₂
Water absorption	W ₂
Adhesion	0.35 MPa

ATLAS SILKON BA is a component of sets of products for thermal insulation with the following systems:

Name of the system	National Technical Assessment
ATLAS ETICS	ITB-KOT-2020/1616, 2nd edition
ATLAS ROKER	ITB-KOT-2021/1919, 2nd edition
ATLAS ROKER G	ITB-KOT-2018/0583 2nd edition

Plastering

Substrate preparation

The substrate should be:

stable – sufficiently hard and cured primed;

even – irregularities and defects must be filled, e.g. with the mortar:

- ATLAS ZW 330

- ATLAS PLASTERING MORTAR.

Before repairing, the substrate must be primed with

- ATLAS UNI-GRUNT

- ATLAS UNI-GRUNT ULTRA;

- ATLAS GRUNT NKP (ready to use – no dilution)

clean – free of layers that may impair adhesion of the render, in particular dust, dirt, lime, oil, grease, wax, oil and emulsion paint residues. If there is biological infestation on the substrate (fungi, algae, etc.) they need to be removed with ATLAS MYKOS PLUS;

dry;

primed – with:

- ATLAS SILKON ANX, -

- ATLAS CERPLAST

- ATLAS ULTRAGRUNT (in case of application on old tiles).

Detailed requirements for substrates

Type of substrate	Curing requirements	Priming method
new cement renders made of ready-to-use ATLAS plaster mortars, traditional cement and cement-lime renders	min. 7 days*/1 cm thickness humidity 4%	ATLAS SILKON ANX or ATLAS CERPLAST
Concrete substrates	min. 28 days* structural moisture content < 4 %	
paint coatings with good adhesion to the substrate in interior applications	no requirements	
gypsum substrates	moisture content < 2 %	pre-primed with ATLAS UNI-GRUNT primed with SILKON ANX
plasterboards and fibre cement boards, firmly fixed in accordance with manufacturers' recommendations and the rules of the trade	moisture content < 2 %	
ceramic tiles	not applicable	ATLAS ULTRA GRUNT

*) - note: applies to setting conditions: T= +20°C, air humidity 50%

Preparation of the render

The render is ready to use. It must not be combined with other materials, diluted or thickened. Stir the material immediately before use to obtain an even consistency and to unify the colours in the packaging.

APPLICATION AND TEXTURING

Apply the compound to the substrate by hand in two stages.

Stage 1. Apply the render in a layer of aggregate thickness using a smooth stainless steel float or a Venetian float.

Stage 2. After setting the first layer (after approx. 2 hours), apply a second coat while scraping off excess compound and pre-smooth the surface to achieve the desired texture. A more pronounced effect can be achieved by using a coarse foam roller or brush float, texturing the surface immediately after the second coat is applied. Smooth the surfaces during the initial setting with a Venetian float. With the Venetian float you can also achieve the "burnt" surface effect.

The surface can be divided into smaller areas (so-called bossages) by:

- gently scratching out the compound using, for example, a flat screwdriver and a spirit level,

- applying adhesive tape on the first layer and removing it just after the application of the second layer.

Consumption

The exact consumption can be determined by means of a test application on the relevant substrate. The average consumption is 2.5 kg render per 1 m².

Packaging

Bucket 20 kg.

Safety information

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

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 shelf life of the product (use-by-date) is 12 months from the date of manufacture on the packaging..

Important additional information

It is necessary to determine experimentally (for a given type of substrate and weather conditions) the maximum area possible to be completed in one work cycle (application and rubbing).

The material must be applied using the "wet-on-wet" method, whereby the rubbed surface must not have dried before the subsequent coat is applied. Otherwise, the resulting joints will be visible. Technically required processing breaks, for example at building corners and bends, under downpipes or at colour boundaries, must be planned in advance.

The rendered surface must be protected both during the works and during the drying period against direct sunlight, wind and precipitation.

The drying time of the render is approx. 24 hours depending on the substrate, temperature and relative air humidity. With higher humidity and a temperature that is about +5 °C higher the drying time of the render will be longer.

To avoid colour differences in the render, only render with the same production date must be used for one surface.

The product must not be used on horizontal surfaces that are permanently exposed to the direct influence of water and snow or capillary rising damp.

Tools must be cleaned with clean water immediately after use. Stubborn residues of the set compound can be removed with ATLAS SZOP 2000.

The information included in the Technical Data Sheet constitutes basic guidelines concerning the use of the product and does not release from the obligation to conduct work according to the best construction practices and health and safety at work regulations. On the date of issue of this Technical Data Sheet, all previous Technical Data Sheets become invalid. The accompanying documents for the product are available at www.atlas.com.pl.

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