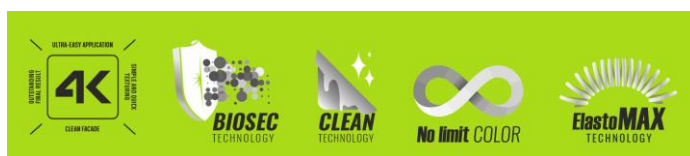




ATLAS GEMINI RSX silicone render

- effortless application for a perfect finish
- rapid texturing saving time and effort on the job
- extreme weather resistance for exceptional protection against harsh atmospheric conditions, including hail
- self-cleaning effect prevents dirt from adhering to the façade
- No limit COLOR - for dark colours on a façade
- Elastomax TECHNOLOGY – exceptional elasticity
- superior durability and high resistance to mechanical impact, withstanding forces up to 140 joules
- crack prevention - the material effectively compensates for thermal stress on your façade, bridging and preventing micro-cracks from forming



4K

ATLAS GEMINI RSX is an innovative render formulated with four types of texturing aggregates and fillers. This unique blend gives it exceptional properties that enhance performance during every stage — from application and texturing to long-term use.

Our 4K formula works to improve both the application process and the final result, making ATLAS GEMINI RSX a render that provides:

- the product has superior adhesion to both the tool and the wall, which significantly improves product efficiency.
- achieve the perfect texture faster, without the need for repeated rubbing or constant cleaning of your trowel.
- enjoy a beautiful, uniform façade thanks to full coverage and even aggregate distribution, which guarantees high aesthetic quality.
- the colours on your façade will remain vibrant and durable for years to come.

BIOSEC TECHNOLOGY

The BIOSEC TECHNOLOGY offers lasting protection through the **ATLAS CAPS** system, which uses microcapsules to slowly and consistently release biocidal agents throughout the render's lifespan. This innovative approach ensures a high concentration of active biocides is maintained, even during prolonged, heavy rainfall. The capsules release their contents quickly in response to moisture, guaranteeing the necessary concentration to effectively protect the coating from biological growth like algae and mould. This performance has been officially confirmed, meeting the standards of PN-EN 15458:2014 and validated in the ITB-KOT 2020/1616 document (edition 4).

CLEAN TECHNOLOGY

Thanks to a high concentration of silicone resins and siloxanes, this render's dense structure creates a powerful and long-lasting hydrophobic effect, working both on the surface and within the material itself. The render's intense water-repellent qualities ensure that neither rain nor surface-level dust can penetrate the material, providing lasting protection even in the face of long-term, heavy rainfall.

With its extremely low water absorption and fast drying properties, this render significantly reduces the risk of biological growth like mould, algae, and lichens appearing on its surface immediately after rain stops.

In cold or humid conditions, such as temperature from 0°C to 10°C and humidity above 80%, you can speed up the setting of ATLAS GEMINI RSX render by using the ATLAS ESKIMO G additive. Simply add 125 ml of the additive per 25 kg of the product. This formula ensures faster resistance to early rain and a quicker setting time for the render.

The powerful surface hydrophobicity and a dense, flawless structure prevent dust and dirt particles from sticking permanently. Rainfall acts as a natural cleaning agent, simply washing away surface dirt and keeping your façade pristine for years to come.

NO LIMIT COLOR

With a composition of high-quality silicone and siloxane resins, along with UV-protective additives, this render provides an unlimited colour palette. This means you can use even the most intense and dark colours without any restrictions, as long as the reinforced layer is made with ATLAS GRAWIS ULTRA. This freedom allows you to use a wide range of colours on a single façade, from crisp white to deep black. When choosing your colours, please refer to the instructions in the table below and use ATLAS system solutions for best results.

Application of ATLAS Thin-Coat Renders with Different Adhesive Mortars Based on Façade Colour (HBW)*

TYNK ATLAS GEMINI RSX	HBW <10
	ATLAS GRAWIS ULTRA
	HBW >10
	ATLAS GRAWIS ULTRA ATLAS STOPTER K-50 ATLAS STOPTER K-20
ATLAS SILICONE-SILICATE RENDER TYNK ATLAS GEMINI R TYNK ATLAS GEMINI RS TYNK ATLAS GEMINI RSX	HBW >15
	ATLAS GRAWIS ULTRA ATLAS STOPTER K-50 ATLAS STOPTER K-20 ATLAS HOTER U-2B ATLAS GRAWIS U + double mesh
	HBW >20
	Use any ATLAS adhesive for the reinforced layer

* High Brightness White (HBW) - light reflection coefficient, expressed in %. It determines the percentage of sunlight reflected from the façade surface. The lower the High Brightness White (HBW) coefficient, the more radiation is absorbed by the façade surfaces increasing its temperature. Light colours have a high High Brightness White (HBW) value, with 100 being pure white. Darker and more intense colours reflect less light.

ELASTOMAX TECHNOLOGY

ElastoMAX Technology is a unique formulation with a high concentration of specialised plastic dispersions, hydrophobic agents, and additives. This blend gives the render exceptional elasticity and deformability. This is particularly vital for facades that experience significant temperature fluctuations between adjacent areas or are subjected to thermal shock from sudden temperature changes. Furthermore, the render's structure is reinforced with a mix of different fibres, providing superior deformability and extreme resistance to impact and hail. For example, when applied over an ATLAS GRAWIS ULTRA reinforced adhesive layer, ATLAS GEMINI RSX render achieves:

Impact Resistance: An impressive 140 Joules of impact resistance. This was achieved with a system reinforced with a combination of ATLAS 150 and SSA-1111-340-SM mesh.

Hail Resistance: Withstands hail impacts at speeds of over 100 km/h (30 m/s). These results were the maximum achievable on the testing equipment, using a system reinforced with ATLAS 150 and SSA-1111-340-SM mesh.

Superior Elasticity: Thanks to the addition of reinforcing fibres, ATLAS GEMINI RSX has a high degree of deformability, giving it exceptional elasticity and mechanical strength.

Colours

ATLAS GEMINI RSX offers a rich colour palette of 497 SAH colours. For a truly customised look, it can also be tinted to match any individual colour scheme without restriction. For this service, please contact a technical advisor.

Colours: 497 SAH colours (consistent with other SAH renders and paints)
Texture: spotted
Grain size: Up to 1.5 mm

Intended use

ATLAS GEMINI RSX is an excellent choice for building facades, including those with External Thermal Insulation Composite Systems (ETICS). This render is highly recommended when using intense and pastel colours or when a variety of renders and colours are combined on a single facade, such as mosaic renders, structural renders, mineral renders with various textures, or stencil renders. ATLAS GEMINI RSX is also an excellent choice for facades that require high resistance to various challenges:

Mechanical Damage: It stands up to heavy use in high-traffic areas like playgrounds, pedestrian gates, driveways, and parking zones.

Dirt and Pollution: The render resists dirt, heavy dust, and industrial pollutants, keeping the facade cleaner for longer.

Solar Radiation: It protects facades with vivid, intense colours from strong sunlight, preventing fading and damage.

ATLAS GEMINI RSX is used as a decorative and protective thin-coat render for facades on both new and existing buildings. It can be applied to even, properly prepared mineral surfaces like concrete and traditional cement or cement-lime renders, and is also suitable for External Thermal Insulation Composite Systems (ETICS) that use expanded polystyrene (EPS) insulation boards. The ATLAS GEMINI RSX can also be applied indoors.

SURFACES	
façade wall insulated with polystyrene	+
façade wall insulated with mineral wool	+
single-layer wall façade	+
floor from the ceiling side	+
wall inside the building	+

TYPES OF BUILDINGS	
residential housing	+
public buildings, schools, office buildings, hospitals, sports halls	+
retail and service buildings	+
industrial facilities	+
industrial warehouses	+
public transport buildings	+
farm and livestock buildings	+
historic buildings	+
passive buildings	+
low-energy buildings	+

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

TYPE OF SUBSTRATE	
reinforced layers of the indicated thermal insulation systems	+
concrete	+
traditional cement and cement -lime renders applied to walls made of bricks, blocks and ceramic, cellular or silicate blocks	+
gypsum plasters, plasterboard (inside the building)	+

Technical data

Density of the ready product	approx. 1.9 g/cm ³
Diffusion resistance	approx. 0.3 m
pH	approx. 8.5
Maintain the specified temperature for the product, the substrate, and the environment before, during, and after application, through the entire setting period.	from +5°C to +30°C
Relative air humidity during application and setting	< 80%
Use at low temperature (above 0°C) and high humidity (up to 80%)	after adding ATLAS ESKIMO G (half of the package)
Skin-over time	> 30 minutes*
Render drying time	approx. 24 hours*
Max impact resistance	140 Joules
resistance to hail impact	30 m/s (over 100 km/h)

*) - for T=20°C, relative humidity 50 %

Technical requirements

ATLAS GEMINI RSX meets the requirements of PN-EN 15824:2017-07, which certifies it as a water-dilutable, thin-coat silicone render suitable for use on external and internal walls, columns, and partition walls.

ATLAS GEMINI RSX (2025)	
Declaration of performance no. 296/CPR. EN 15824:2017	
Intended use: - for exterior walls, ceilings and columns; - for interior walls, ceilings, pillars and partitions	
Water vapour permeability	V ₂
Water absorption	W ₃
Adhesion	0.35 MPa

ATLAS render GEMINI RSX is a component of complex thermal insulation systems:

Name of the system	National Technical Assessment
ATLAS GRIP	ICiMB-KOT 2022/0180, 2nd edition
ATLAS ETICS	ITB-KOT-2020/1616, 4th edition

Rendering

Substrate preparation

The substrate should be:

stable – stiff, primed, acclimatised in terms of temperature and humidity,

dry

even - any unevenness and cavities should be filled using e.g. ATLAS ZW 330, ATLAS PLASTERING MIX or adhesive mortars for making a reinforcing layer in thermal insulation systems,

clean and free of any layers that could weaken the adhesive's bond, especially by removing dust, dirt, lime, oil, grease, wax, and residues from oil or emulsion paints. To eliminate any biological contamination on the substrate, such as mould or algae, you must first treat the surface with ATLAS MYKOS PLUS.

Detailed requirements for substrates

Type of substrate	Requirements for acclimatisation	Priming method
reinforced layer made with the ATLAS GRIP system , made of ATLAS GRIP U mortar	at least 3 days*	ATLAS CERPLAST or SILKON ANX
Reinforcement layer in External Thermal Insulation Composite Systems, made of ATLAS Grawis Ultra mortar	at least 3 days*	Priming is not required
Reinforcement layer in External Thermal Insulation Composite Systems, made of other ATLAS adhesive mortars	at least 1 day	ATLAS CERPLAST or SILKON ANX
new cement renders made of ready-made ATLAS render mortars, traditional cement and cement-lime renders	min 7 days*/ 1 cm thick humidity 4%	
concrete substrates	at least 28 days* Structure moisture < 4%	
coatings with good adhesion to the substrate for interior applications	no requirements	
gypsum substrates	humidity < 2%	Preliminary ATLAS GRUNT NKP or ATLAS UNI-GRUNT suitable ATLAS CERPLAST or SILKON ANX
plasterboards and fibre-cement boards, securely fastened in accordance with the manufacturers' guidelines and relevant construction standards.	humidity < 2%	

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

Preparation of render mass

The render is supplied 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. When working at the upper end of the permissible temperature range, up to 1% of clean water may be added to the render. In conditions of reduced temperature (0–5°C) and high humidity (> 80%), it is recommended to use 125 ml of ATLAS ESKIMO G binding agent per 25 kg bucket of render.

Application of the mass

Apply the render to the substrate in a layer the thickness of the aggregate using a smooth stainless steel trowel. Any excess material should be returned to the bucket and re-mixed.

List of devices for the mechanical application of ATLAS GEMINI render RSX and application parameters.

Device	Recommended nozzle	Set feed	Compressor pressure [bar]
Wagner: - PC 830 - PC 1030	6 mm	Minimum Feed - 2/10	2.2
Graco TexSpray RTX 5500 PX	6 mm - round WideTex System : 6 mm - round 6 mm - flat	Average feed - 2/6	-
Device	Recommended nozzle	Pressure reaching the nozzle	Pressure reaching the tank
Graco TexSpray Fast Finish	6 mm – round WideTex System : 6 mm – round 6 mm – flat	Medium feed	Green zone - maximum

The working pressures given are indicative for standard hose lengths. For longer hoses, the pressure should be determined immediately before application on site.

Before applying the render, pour a small amount of ATLAS CERPLAST or SILKON ANX through the hose of the unit. The purpose of this procedure is to lubricate the hose and prevent it from clogging.

Texturing

The newly applied mass should be textured using a plastic trowel. If there is excess mass and smearing, the process of removing the excess product should be repeated. To achieve a roughcast effect, rub the mass with a trowel using circular motions. Machine-applied renders should not be textured.

The textures of manually and machine-applied renders differ. This can lead to subtle colour variations due to the differing light reflection properties of each finish. Consequently, combining different render application technologies on a single surface is not recommended.

Render renovation

Render can be renovated by painting it with silicone paint.

- ATLAS SALTA,
- ATLAS SALTA N,
- ATLAS SALTA N PLUS.

Consumption

Render consumption rate:

- at least 2.1 kg/m² when applied manually,
- at least 1.9 kg/m² when machine-applied,

The stated consumption rates are for even surfaces and are in accordance with the Technical Conditions for the Execution and Acceptance of Construction Works ITB 2020. The average consumption rate for mechanical application is lower than for manual application. This is because machine application results in a different render structure with a lower aggregate density.

For precise consumption rates, conduct a test application on the surface to be rendered.

Packaging

25 kg plastic bucket

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 product's shelf life is 12 months from the date of manufacture shown on packaging.

Important additional information

The maximum surface area that can be applied and trowelled in one continuous cycle should be determined experimentally, taking into account the specific substrate and prevailing weather conditions.

The material must be applied using the "wet-on-wet" method. It is critical to not allow a section to dry before the next application. Doing so will result in a visible joint. To avoid visible seams, plan technological breaks in advance. Suitable locations include building corners, angles, under downpipes, and where different colours meet.

Protect the rendered surface against direct sunlight, wind and precipitation both during the application process and while the render is drying.

The render drying time depending on the substrate, temperature, and relative humidity is approximately 24 hours. The render's curing time may be prolonged in high-humidity conditions and at temperatures near +5°C.

To prevent colour variations, ensure all render used on one surface is from the same production batch.

The product is not suitable for use on horizontal surfaces, areas subjected to continuous exposure to water and snow, or surfaces prone to capillary moisture.

Rinse the tools in clean water directly after use. Hardened residues of the material that are difficult to remove should be removed with ATLAS SZOP 2000.

The information provided in this Technical Data Sheet serves as a guide for product usage. It is not intended to supersede professional judgment or the obligation to adhere to established construction practices and applicable occupational health and safety standards. As of its issue date, this Technical Data Sheet supersedes and replaces all previous versions. You can access the product's supporting documentation at www.atlas.com.pl.

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