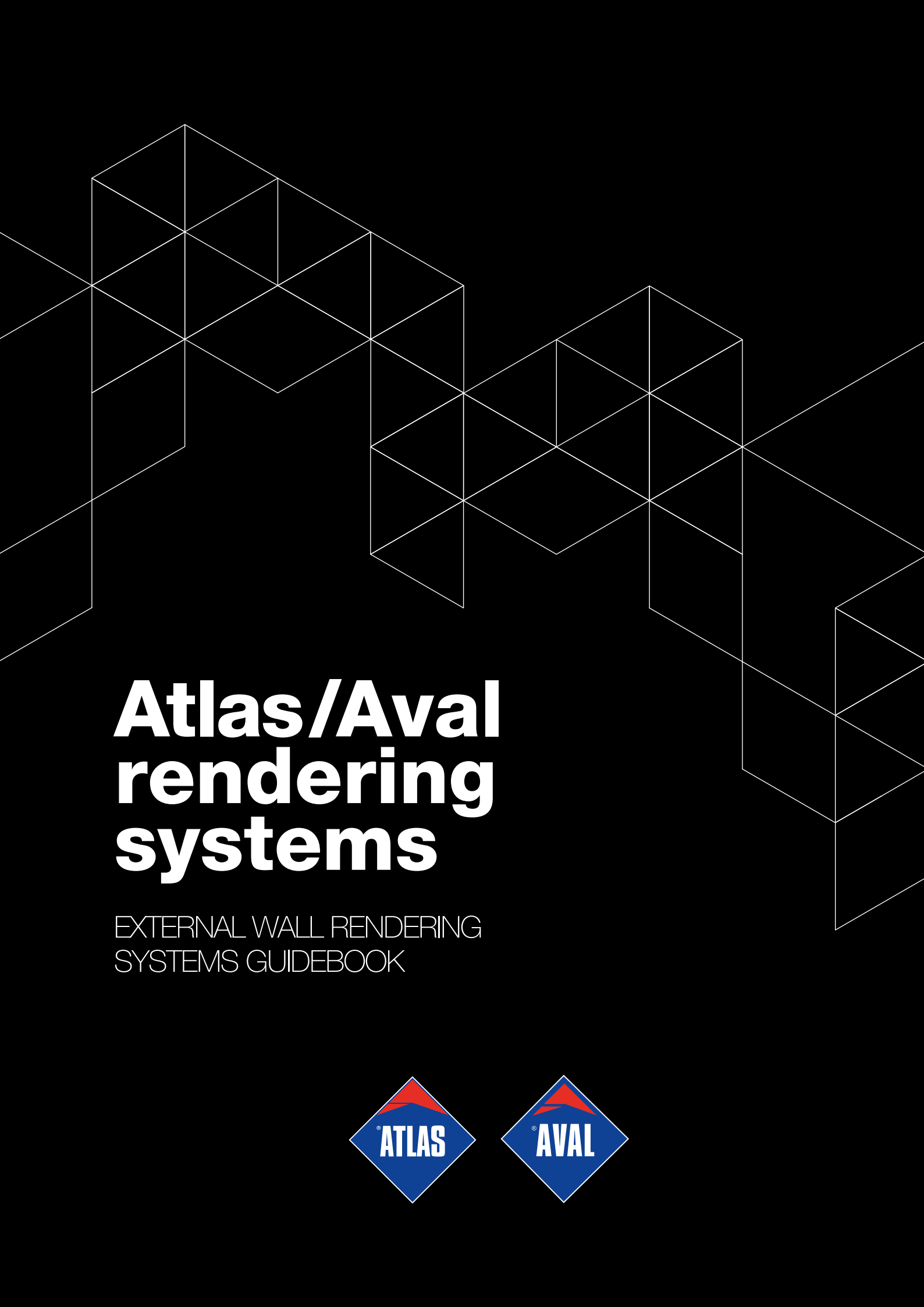




Atlas/Aval rendering systems

EXTERNAL WALL RENDERING
SYSTEMS GUIDEBOOK



editorial

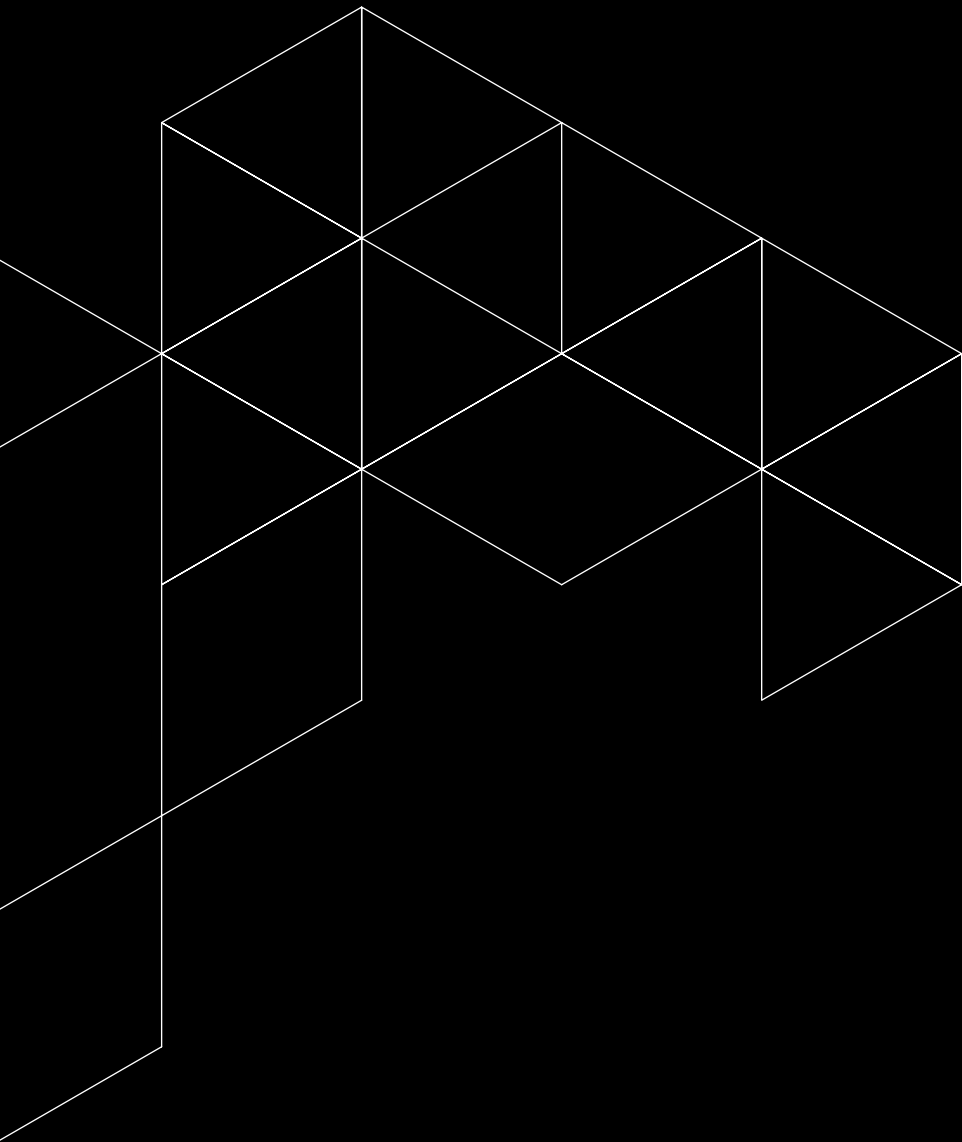
Dear All,

The rich offer of ATLAS and AVAL rendering products and systems follows currently available technologies and solutions. Its constant development and improvement allows us to broaden the range of possible combinations of products within an individual system in order to meet the most demanding project requirements.

We have decided to unify our offer, so you can quickly choose an optimum set of products required for an individual project in order to follow particular expectations and needs. With this book we give a simple and clear description of particular rendering systems. The system choice depends on the expected operational durability, object location, its neighbourhood, time of application, final façade texture and colour as well as the particular project budget.

I sincerely hope that this Guidebook will be found helpful and will facilitate the choice of individual set of ATLAS and AVAL products in order to meet particular application conditions and your expectations.

Michał Gosławski
Foreign Sales Director – Coordinator of Atlas Group
(West)





rendering systems

ATLAS

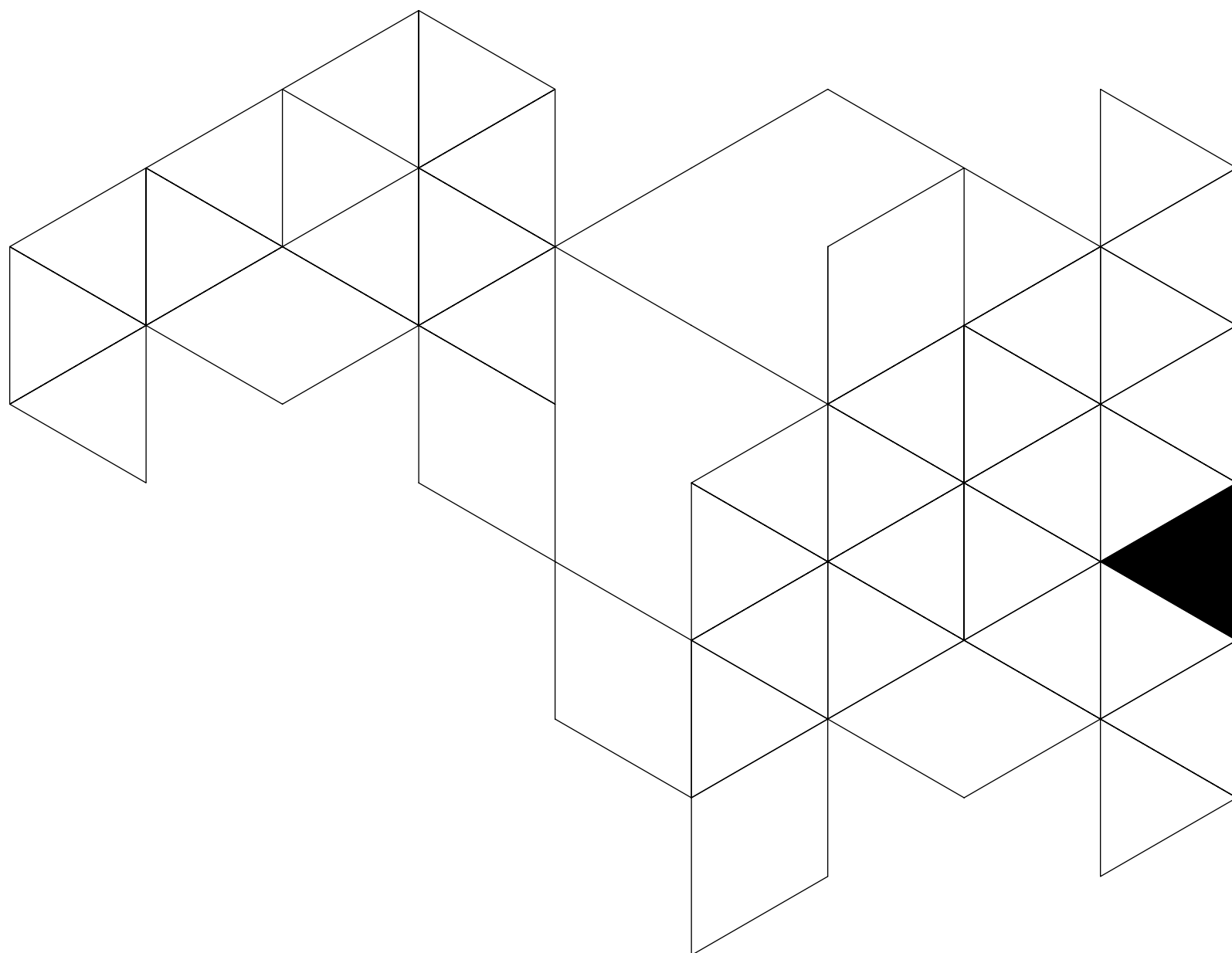


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PRODUCT BRANDS



RAW MATERIALS, ENERGETICS, LOGISTICS



PUBLIC BENEFIT ORGANISATION



group ATLAS



Company ATLAS was set up over 25 years ago in Łódź, Poland. Currently ATLAS forms a huge holding of over 20 entities – manufacturers of construction chemicals and raw materials used in production of building products. Our infrastructure includes factories of cement, gypsum, dispersive and bitumen materials.

ATLAS Group is an unquestionable leader of Polish market of construction chemicals and successful exporter – it distributes to Germany, Great Britain, Ireland, Holland, Portugal, Czech Republic, Slovakia, Russia, Baltic states, Scandinavia, Mongolia, Kazakhstan, Iraq, Barbados and many other states worldwide.

ATLAS Group portfolio is prepared in relation to current market demand and users expectations. It includes over 1,000 products and thousands of comprehensive technological system solutions for construction and refurbishment, for individual and multi-family buildings, for public and industrial investment.

One of the most important points of our offer are façade products – over 130,000,000 m² of façades have been insulated with ATLAS materials so far. Products quality, technology and creation is supervised by Research and Development Laboratory. Almost 100 people are engaged in the process of preparation of the new product offer, improvement of the existing one and search for new technological solutions.

ATLAS leads a successful program of cooperation with professionals– we offer wide range of trainings, certification and current support. We work with construction schools in Poland, teach students and lecturers. We provide instructive materials and products for practical trainings.



about us

ATLAS is intensively engaged in social aspects – art, education and help to people in need. ATLAS Charity Foundation, set up in 1996, brings help to ill people seeking professional medical support. ATLAS of Art, opened in 2003, belongs to the most appreciated art galleries in Poland. ATLAS has been given numerous prestigious awards for its social activity, marketing actions and, most of all, for its huge influence on the Polish economy.

But ATLAS is not only quality, technology, social responsibility and long term market experience. It's also design and care for beauty and details.



WIDE RANGE OF PRODUCTS FOR PROTECTION
AND DECORATION OF BUILDING FAÇADES

INTERESTING TEXTURE AND RICH COLOUR PALLETE BRING
NUMEROUS POSSIBILITIES TO: ARCHITECTS, DESIGNERS,
INVESTORS AND CONTRACTORS SEARCHING FOR NEW
AND QUAIN T SOLUTIONS

ATLAS OFFERS HIGH QUALITY THIN-COAT RENDERS
AND FAÇADE PAINTS AVAILABLE IN 480 SAH COLOURS
AS WELL AS WIDE RANGE OF DECORATIVE RENDERS





foreword

- 14 **introduction**
- 16 **recommendations regarding use**

introduction



Rendering systems are ready-to-use technological and material solutions which allow to apply new or repair existing façade top finishes. They can be used upon residential buildings: detached, semi-detached or terraced, as well as commercial and service facilities, etc. Rendering systems are intended for use both during renovation works and during construction of new buildings.

In case of façade renovation, a properly chosen rendering system works well also on old and previously damaged substrates. ATLAS and AVAL rendering systems not only improve the technical condition of walls, but also protect them from further degradation and refresh the façade with new, aesthetic appearance.

In case of newly built facilities, ATLAS and AVAL rendering systems allow us to customize the way in which a wall is finished with attention to operational conditions for a given building. To that end systems include modern thin-coat renders which differ in terms of operational properties, so that the most appropriate solution can be selected.

PROTECTION

Rendering systems provide protection for structural elements. They protect them against atmospheric (rain, snow, wind) and operational (aging processes, mechanical damage) factors. This improves the building and its individual elements life span and gives façade a new, elegant appearance.

DESIGN

Rendering systems offer wide range of possible façade finishes: from traditional smooth plasters to modern thin-coat renders of decorative and attractive appearance. It is absolutely possible to combine various materials on the façade surface and use both intense and pastel colours.

COLOUR

Render and paints for façades included in ATLAS and AVAL rendering systems are coloured within the mass (body tinted) with UV-resistant pigments. Rich palette of colours allows us to be independent when choosing the final characteristic of the façade. Overall, the designer may select from 400 standard shades: 200 colours prepared to meet the current market expectations regarding the most fashionable pastels and 200 more intensive ones.

recommendations regarding use



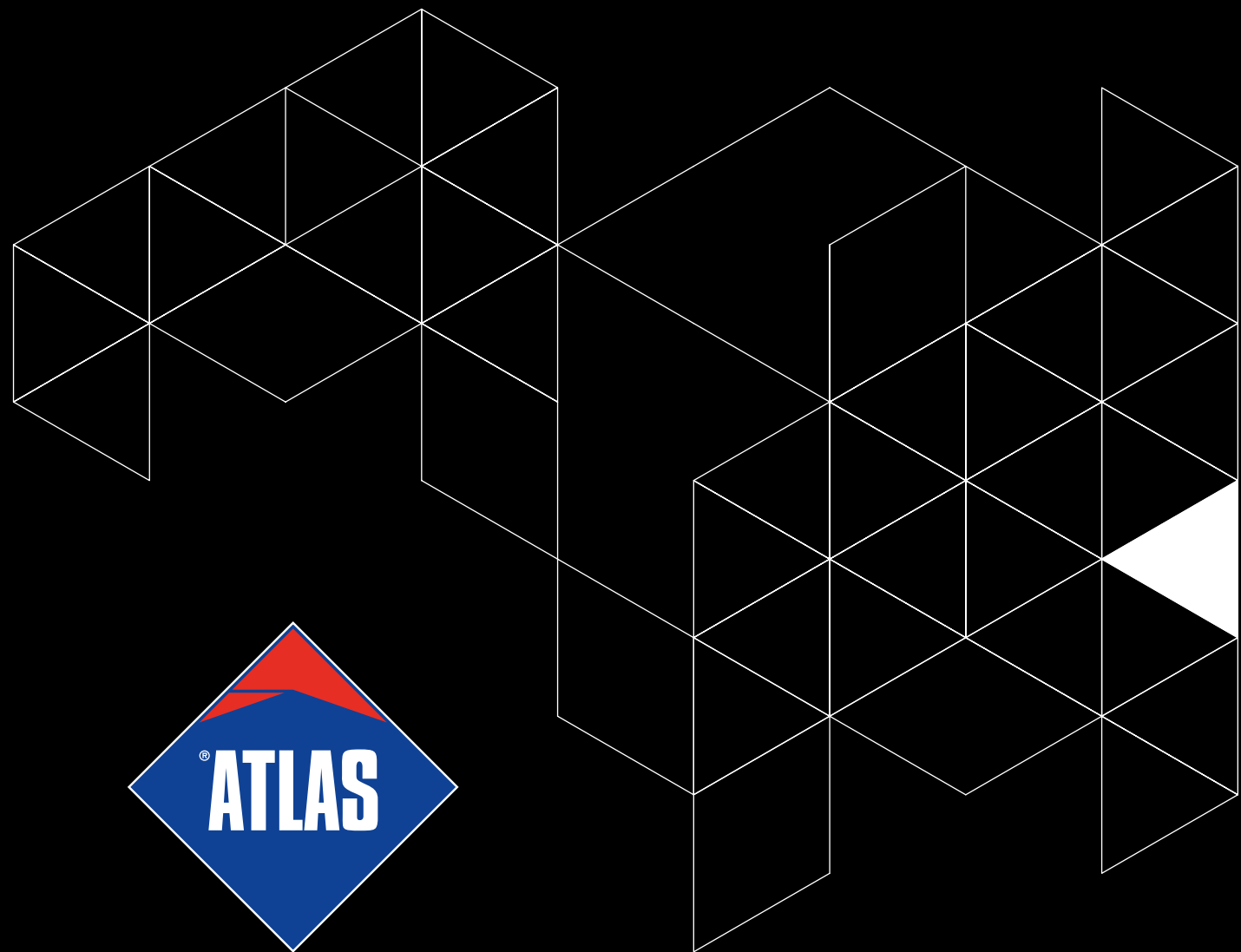
ATLAS and AVAL rendering systems include complete, professional material solutions, structured in five options, marked with numbers from I to V:

- Option I - traditional rendering system with paint coating, without additional reinforcement.
- Option II - modern rendering system with acrylic render, without additional reinforcement.
- Option III - modern rendering system with silicone render, without additional reinforcement.
- Option IV - modern rendering system with acrylic render, with additional reinforcement.
- Option V - modern rendering system with silicone render, with additional reinforcement.

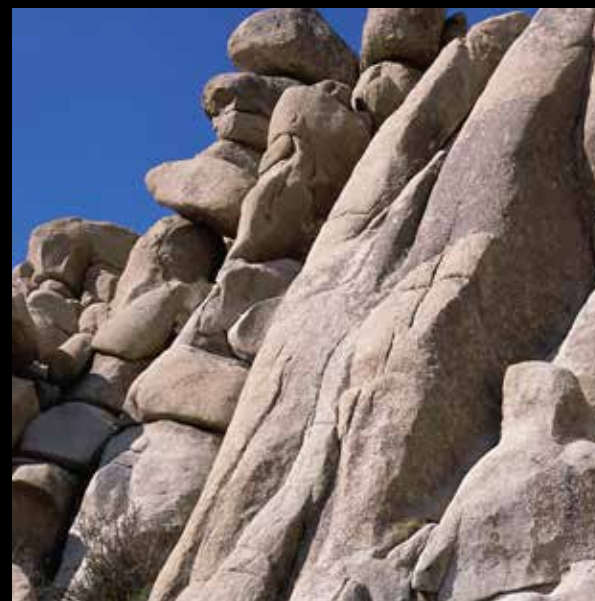
Each option comprises slightly different application technology and is composed of different materials. Selection of a particular solution depends on several factors – building location, type of substrate as well as the preferred type of top finish and façade colour arrangement. Recommended areas of application for each option are shown in the table below:

	OPTION I	OPTION II	OPTION III	OPTION IV	OPTION V
POSSIBLE USE – TYPES OF FACILITIES					
residential buildings	• •	• • •	• • •	• • •	• • •
industrial buildings	• •	-	• • •	-	• • •
farm and agricultural buildings	• •	•	• • •	•	• • •
commercial, service and public access buildings	• •	• •	• • •	• • •	• • •
POSSIBLE USE – FACILITIES LOCATION					
urban areas	• • •	• •	• • •	• •	• • •
industrial and investment areas	• •	•	• • •	•	• • •
rural and agricultural areas	• •	• •	• • •	• •	• • •
wetlands and wet areas, areas close to water reservoirs	• •	• •	• • •	• •	• • •
areas close to forests and clusters of greenery	• •	• •	• • •	• •	• • •
shaded areas	• •	• •	• • •	• •	• • •
RENDERING SYSTEM PROPERTIES					
water vapour permeability	• • •	• •	• • •	• •	• • •
water absorptiveness	• •	• • •	• •	• • •	• •
resistance to dirt	• • •	• •	• • •	• •	• • •
resistance to impacts	• • •	• •	• •	• • •	• • •
resistance to cracking	•	• •	• •	• • •	• • •

Legend:
• - average suitability, • • - high suitability, • • • - very high suitability



ATLAS rendering systems



DURABILITY

HYDROPHOBISATION

IMPROVED IMPACT RESISTANCE

SELF-CLEANING ABILITY

BIOCIDE CAPSULES

RESISTANCE TO UV

DESIGN

INSPIRATION

WIDE RANGE OF TEXTURES

PATTERNS

INTENSIVE COLOURS

FREEDOM OF COMPOSITION



SAFETY

FAST AND CONVENIENT

HIGH YIELD

EASY IN USE

USE IN VARIOUS WEATHER
CONDITIONS



rendering systems

The variety of products used with ATLAS and AVAL rendering systems gives the possibility of creation of numerous solutions. Nevertheless, sometimes the complexity of technical aspects hampers individual creation of sets of materials. Caring about time and convenience of our partners, we propose the following sets divided on the basis of their particular performance. Each solution meets individual needs and differs in expected operational durability, decorative effect and designed application conditions. Nevertheless, they are just recommendations and does not limit the possibility of free arrangement of own solutions.



Option I

Traditional rendering system with paint coating, without additional reinforcement.

Intended use:
Recommended for buildings which were not previously rendered, on sounds substrates not vulnerable to deformation and not subjected to cracking.

Application area:
Residential buildings, farm buildings, workshops, garages, etc. Option I is an ideal solution for smooth and mechanically resistant renders, intended for use beneath colourful façade paints coatings.

Types of substrates:
Rough (not plastered) brick wall or wall made of small size bricks, ceramic or sand-lime hollow blocks, cellular concrete or concrete blocks.

OPTION I	SYSTEM ELEMENTS	
Substrate preparation	ATLAS UNI-GRUNT AVAL KT 17 *)	fast-drying priming emulsion based on water dispersion of acrylics
	ATLAS Cement base coat	cement mortar characterised by strong bonding to substrate, forms contact layer, manual and machine application
Main coat	ATLAS Plastering mix	cement mortar for indoor and outdoor plastering, available in two versions: for manual and machine application
Finish coat	ATLAS REKORD **) (optionally)	cement top finish for walls and ceilings
	ATLAS SALTA AVAL KT 46	modern silicone paint

*) emulsion required in case of walls made of cellular concrete or highly absorptive substrates

**) optionally, if perfectly smooth façade surface must be formed

MOST IMPORTANT CHARACTERISTICS:

- low price – budget solution,
- high resistance to mechanical impacts and vandalism
- high interlayer bonding provided by two-layer system (cement base coat + main coat)
- elimination of potential substrate unevenness with layer up to 30 mm thick
- self-cleaning characteristic of silicone paint guarantees clean façade for longer; no need for additional maintenance
- silicone paint available in 400 colours, from pastel to more intensive ones



Option II

Modern rendering system with acrylic render, without additional reinforcement.

Intended use:
Recommended for buildings which were not previously rendered, on sound substrates not vulnerable to deformation and not subjected to cracking.

Application area:
Residential buildings, production or service buildings, workshops, garages, etc. Option II is particularly recommended if one aims to achieve an elegant top finish using thin-coat render without the need for additional reinforcing mesh layer. Allows the contractor to apply render of spotted texture or colorful mosaic render.

Types of substrates:
Rough (not plastered) brick wall or wall made of small size bricks, ceramic or sand-lime hollow blocks, cellular concrete or concrete blocks.

OPTION II	SYSTEM ELEMENTS	
Substrate preparation	ATLAS UNI-GRUNT AVAL KT 17 *)	fast-drying priming emulsion based on water dispersion of acrylics
	ATLAS Cement base coat	cement mortar characterised by strong bonding to substrate, forms contact layer, manual and machine application
Main coat	ATLAS Plastering mix	cement mortar for indoor and outdoor plastering, available in two versions: for manual and machine application
Finish coat	ATLAS CERPLAST AVAL KT 16	priming mass for renders, improves the thin-coat render bonding to the substrate
	ATLAS ACRYLIC/ AVAL ACRYLIC RENDER ATLAS ACRYLIC-SILICONE / AVAL ACRYLIC-SILICONE RENDER ATLAS DEKO M/ AVAL KT 77	thin-coat render: acrylic, acrylic-silicone, mosaic

*) emulsion required in case of walls made of cellular concrete or highly absorptive substrates

MOST IMPORTANT CHARACTERISTICS:

- very competitive price – a stylish wall top finish formed with the use of low cost material
- very low water absorptiveness of the finishing coat makes the system extremely durable
- high resistance and flexibility of the finishing coat
- wide selection of colourful renders, various possibilities of the building final appearance
- mosaic render can be used on plinths and at areas near to the entrance



Option III

Modern rendering system with silicone render, without additional reinforcement.

Intended use:
Recommended for buildings which were not previously rendered, on sound substrates not vulnerable to deformation and not subjected to cracking.

Application area:
Residential buildings, production or service buildings, workshops, garages, etc. Option III is ideal for finishes with decorative spotted texture, without the need for additional reinforcing layer of mesh. Silicone render properties make it a superb solution for buildings located in industrial, rural and green areas.

Types of substrates:
Rough (not plastered) brick wall or wall made of small size bricks, ceramic or sand-lime hollow blocks, cellular concrete or concrete blocks.

OPTION III	SYSTEM ELEMENTS	
Substrate preparation	ATLAS UNI-GRUNT AVAL KT 17 *)	fast-drying priming emulsion based on water dispersion of acrylics
	ATLAS Cement base coat	cement mortar characterised by strong bonding to substrate, forms contact layer, manual and machine application
Main coat	ATLAS Plastering mix	cement mortar for indoor and outdoor plastering, available in two versions: for manual and machine application
Finish coat	ATLAS SILKON ANX AVAL KT 76	priming mass for renders, improves the thin-coat render bonding to the substrate
	ATLAS SILICONE/ AVAL SILICONE RENDER ATLAS SILICONE-SILICATE / AVAL SILICONE-SILICATE RENDER	thin-coat render: silicone or silicone-silicate

*) emulsion required in case of walls made of cellular concrete or highly absorptive substrates

MOST IMPORTANT CHARACTERISTICS:

- very competitive price – a stylish wall top finish formed with the use of low cost material
- very high resistance to dirt – silicone renders form surface of tight and not absorptive structure which repel contamination (dust, fumes, organic dirt)
- render ability for surface self-cleaning during precipitation
- very high flexibility and resistance of the finishing coat
- wide selection of colourful renders, various possibilities of the building final appearance



Option IV

Modern rendering system with acrylic render, with additional reinforcement.

Intended use:
Recommended for already plastered buildings, on substrates vulnerable to cracking and utilized in particularly unfavorable conditions.

Application area:
Residential buildings, production or service buildings, workshops, garages, etc. Option IV is recommended for old or poor substrates, cracked plasters etc. Reinforcement with mesh provides even and sound substrate for thin-coat render with decorative spotted texture or colorful mosaic render.

Types of substrates:
Traditional, thick-coat façade plasters (cement, cement-lime), also even, not-plastered walls made of cellular concrete blocks with thin joints.

OPTION IV	SYSTEM ELEMENTS	
Substrate preparation	ATLAS UNI-GRUNT AVAL KT 17 *)	fast-drying priming emulsion based on water dispersion of acrylics
	ATLAS ZW 330 **)	cement, fast setting leveling mortar
Main coat	AVAL KT 55 AVAL KT 85	cement adhesive mortar, with reinforcing fibres
	reinforcing mesh	fibreglass mesh protected against alkali, minimum density - 155 g/cm²
Finish coat	ATLAS CERPLAST AVAL KT 16	priming mass for renders, improves the thin-coat render bonding to the substrate
	ATLAS ACRYLIC/ AVAL ACRYLIC RENDER ATLAS ACRYLIC-SILICONE / AVAL ACRYLIC-SILICONE RENDER ATLAS DEKO M/ AVAL KT 77	thin-coat render: acrylic, acrylic-silicone, mosaic

*) emulsion required in case of walls made of cellular concrete or highly absorptive substrates

**) in case of very smooth substrates the leveling compound is not required

MOST IMPORTANT CHARACTERISTICS:

- stylish wall finish formed with low cost materials
- very good system durability – owing to the main coat made of adhesive with reinforcing mesh embedded and very low absorptiveness of the finishing coat
- high flexibility and resistance of the finishing coat
- wide selection of colourful renders, various possibilities of the building final appearance
- mosaic render can be used on plinths and at areas near to the entrance



Option V

Modern rendering system with silicone render, with additional reinforcement.

Intended use:
Recommended for already plastered buildings, on substrates vulnerable to cracking and utilized in particularly unfavorable conditions.

Application area:
Residential buildings, production or service buildings, workshops, garages, etc. Option V is recommended for old or poor substrates, cracked plasters etc. Reinforcement with mesh provides even and sound substrate for thin-coat render with decorative spotted texture.

Types of substrates:
Traditional, thick-coat façade plasters (cement, cement-lime), also even, not-plastered walls made of cellular concrete blocks with thin joints.

OPTION V	SYSTEM ELEMENTS	
Substrate preparation	ATLAS UNI-GRUNT AVAL KT 17 *)	fast-drying priming emulsion based on water dispersion of acrylics
	ATLAS ZW 330 **)	cement, fast setting leveling mortar
Main coat	AVAL KT 55 ATLAS STOPTER K-20/AVAL KT 85	cement adhesive mortar, with reinforcing fibres
	reinforcing mesh	fibreglass mesh protected against alkali, minimum density - 155 g/cm²
Finish coat	ATLAS SILKON ANX AVAL KT 76	priming mass for renders, improves the thin-coat render bonding to the substrate
	ATLAS SILICONE/ AVAL SILICONE RENDER ATLAS SILICONE-SILICATE / AVAL SILICONE-SILICATE RENDER	thin-coat render: silicone or silicone-silicate

*) emulsion required in case of walls made of cellular concrete or highly absorptive substrates

**) in case of very smooth substrates the leveling compound is not required

MOST IMPORTANT CHARACTERISTICS:

- excellent system durability – owing to the main coat made of adhesive with reinforcing mesh embedded and very low absorptiveness of the finishing coat
- very high resistance to dirt – silicone renders form surface of tight and not absorptive structure which repel contamination (dust, fumes, organic dirt)
- render ability for surface self-cleaning during precipitation
- wide selection of colourful renders, various possibilities of the building final appearance



renders and paints

ATLAS

Thin-coat renders and façade paints ATLAS give not only wide range of colours, textures and decorative effects, but most of all decide about long term system durability. They form a protective barrier against harmful external factors, such as: temperature, UV radiation, precipitation, dust, mould and lichens. Basing on our tests and long term experience, we recommend to select products in respect of its properties, but also building type and location, substrate type, etc.

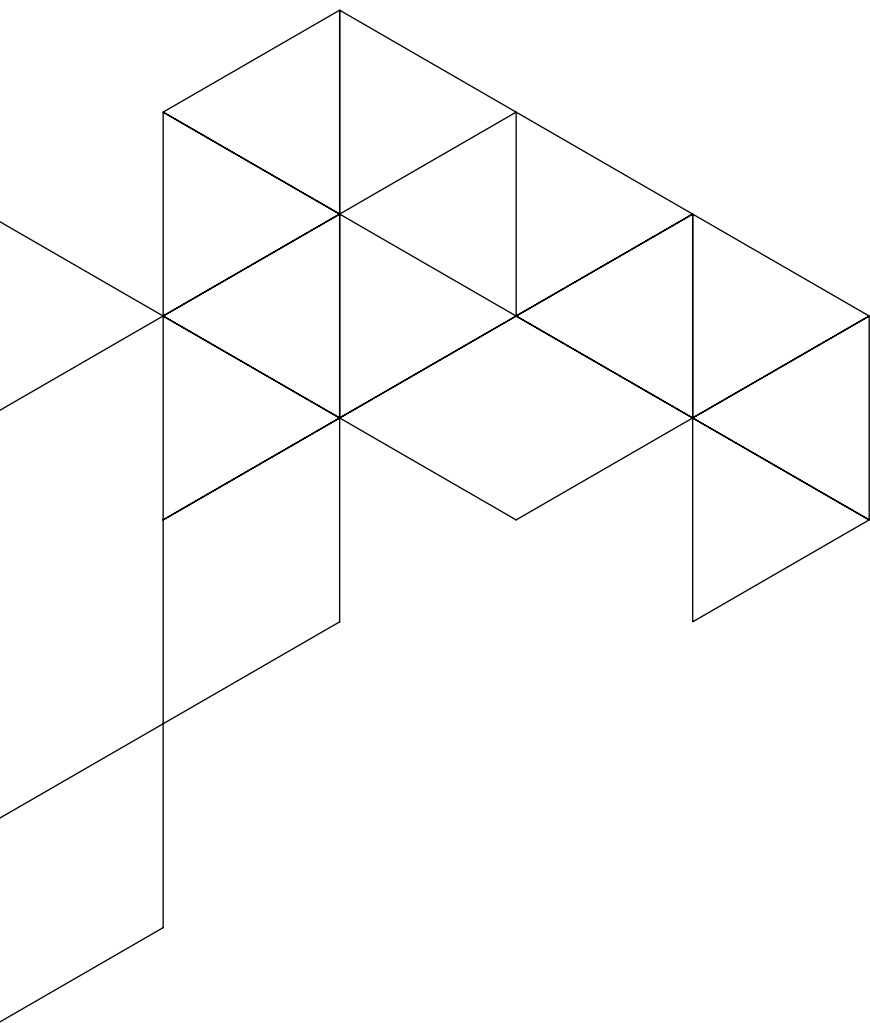
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façade renders

DISPERSIVE RENDERS						DECORATIVE RENDERS				MINERAL RENDERS	
	SILICONE RENDER	ACRYLIC-SILICONE RENDER	SILICONE-SILICATE RENDER	ACRYLIC RENDER	SILICATE RENDER	MOSAIC RENDER	ATLAS CERMIT WN + ATLAS BEJCA	ATLAS CERMIT N-100	ATLAS CERMIT PS	ATLAS CERMIT ND	ATLAS CERMIT SN/ SN-MAL/ DR AVAL KT 137
OBJECT TYPE											
residential housing	•••••	•••••	••••	••••	•••	•••••	•••••	•••••	•••••	•••	••
public access and commercial buildings	•••••	••••	••••	•••	•••	•••••	•••••	•••••	•••••	•••	••
industrial buildings	•••••	•••	••••	••	••	••••	•	•••••	•	•••	•
outbuildings	•••••	•••	••••	••	••••	•	•	••••	•	••••	•••
infrastructure	••••	•••••	••••	••••	••	•••••	•	•	•	••	••
heritage buildings	•••	-	••	-	•••••	-	-	••	••••	••••	•••
LOCATION											
city, urban and industrial areas	•••••	•••••	•••	•••	•••	•••••	•••••	•••••	•••	•••	••
rural and agricultural areas	•••••	•••	•••	•	•••	•••••	•••••	•••••	•••	•••	••
wet areas, close to water reservoirs	•••••	•••	•••	•	•••	••	•••••	•••	•••••	••••	•••
forests	•••••	•••	•••	•	•••••	••	•••••	•••	•••••	•••••	••••
USE WITH EXTERNAL WALL INSULATION											
ATLAS/AVAL ETICS	+	+	+	+	+	+	+	+	+	+	+
ATLAS/AVAL ROKER ETICS	+	-	+	-	+	+	+	-	+	+	+

••••• the best possible solution
• limited use

façade renders



professional thin-coat renders

ATLAS and AVAL thin-coat façade renders are designed and produced to meet the requirements of professionals and demanding investors who do not accept compromises between quality and aesthetics. They include the latest achievements in construction chemicals, especially in the field of binders, which in practice determine the quality and durability of renders. All ATLAS and AVAL renders are based on five, unique and state-of-the-art protective systems:



ELASTICITY AND STRENGTH – formula providing improved elasticity and resistance to impacts; render compensates stress resulting from surface hits better, keeps consistent, does not chip off.



Resistant to cracking

RESISTANCE TO CRACKING – improved resistance resulting from the presence of dispersed microfibres, which strengthen the render within its entire volume – render is protected against possible cracks caused by tension and alternate surface heating and cooling.



BIO PROTECTION – creates unfavorable conditions for biological contamination. Renders have very low superficial water absorption. They also contain special biocide capsules, which improve resistance to fungi, algae and lichens growth.



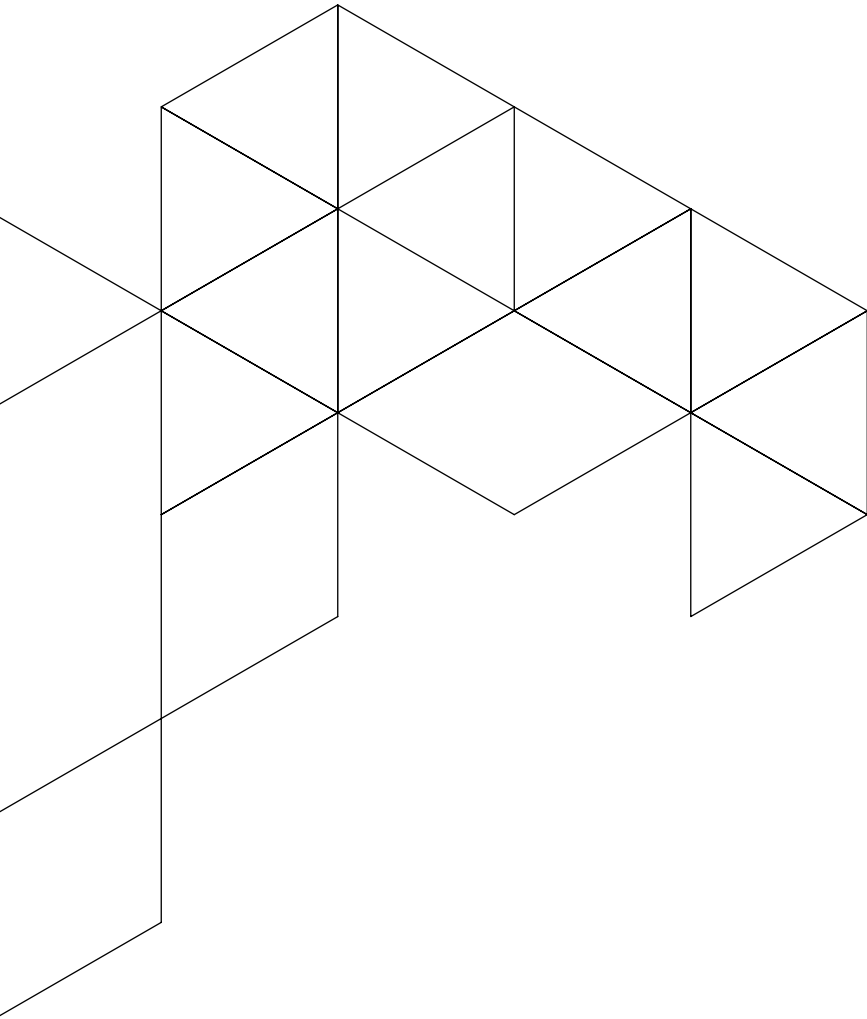
COLOUR DURABILITY – advanced technology provides colour durability resulting from the use of modern pigments, automatic system of dosing and permanently supervised process of manufacturing – render keeps its initial colour, is more resistant to bleaching and UV radiation.



Environmentally friendly

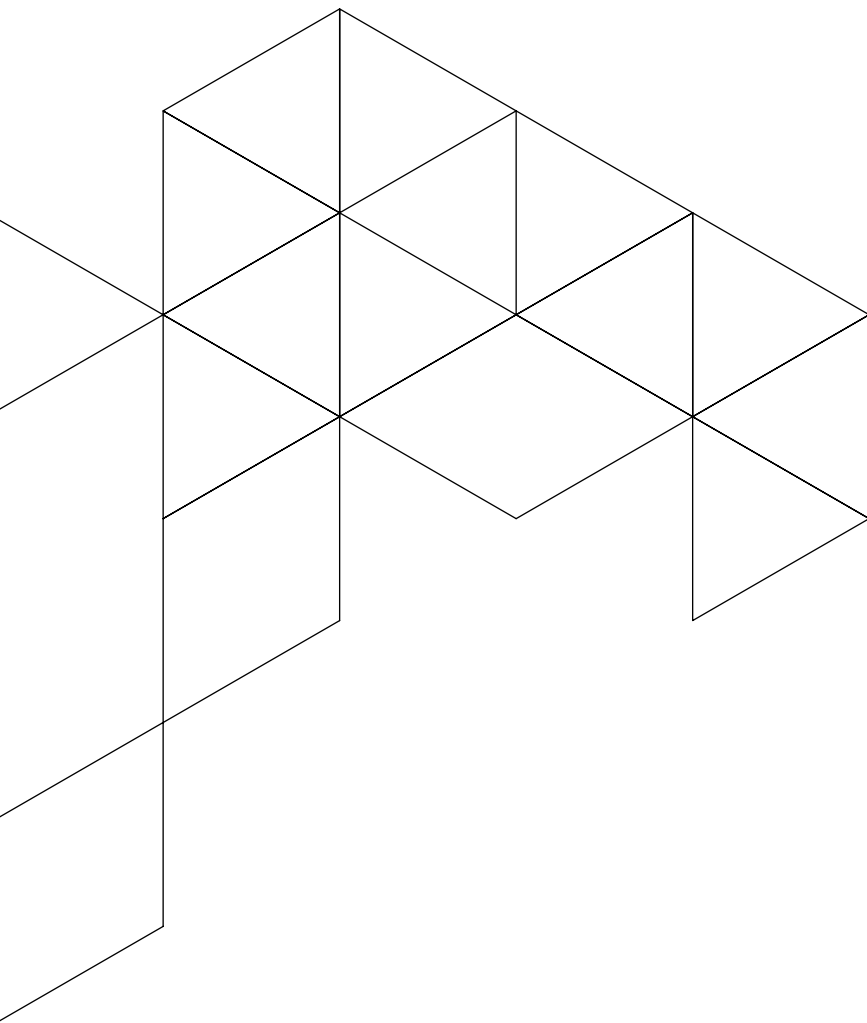
ENVIRONMENTALLY FRIENDLY – render recipe was designed in accordance to the sustainable development aspects: maximally reduced amount of volatile organic compounds and use of natural fillers only.

façade paints



	SILICONE PAINTS		SILICATE PAINT	ACRYLIC PAINT
	ATLAS SALTA N	ATLAS SALTA AVAL KT 46	ATLAS SALTA S	ATLAS SALTA E
USE				
thin-coat mineral renders	• • • • •	• • • •	• • • • •	• • •
thin-coat silicate renders	• • •	• •	• • • • •	•
thin-coat silicone renders	• • • • •	• • •	-	• •
thin-coat silicone-silicate renders	• • • • •	• • • •	-	• •
thin-coat acrylic renders	• • • • •	• • • •	-	• • • • •
thin-coat acrylic-silicone renders	• • • • •	• • • •	-	• • • •
lime and renovation plasters	• • •	• •	• • • • •	-
cement-lime, cement plasters	• • • • •	• • • •	• • • • •	• •
concrete substrates	• • • • •	• • • •	• • • • •	• •
rough walls (concrete, brick, hollow blocks)	• • • • •	• • • •	• • • •	• • •
silicate paint coatings	• • •	• •	• • • • •	•
silicone paint coatings	• • • • •	• • • •	-	• • •
acrylic paint coatings	• • • • •	• • • •	-	• • • • •
OBJECT TYPE				
residential housing	• • • • •	• • • •	• • • •	• • •
public access and commercial buildings	• • • • •	• • • •	• • • •	• • •
industrial buildings	• • • • •	• • • •	• • •	• • •
outbuildings	• • • • •	• • • •	• • • •	• • •
infrastructure	• • • • •	• • • •	• • •	• • • •
heritage buildings	• • •	• • •	• • • • •	-
LOCATION				
city, urban and industrial areas	• • • • •	• • • •	• • •	• • • •
rural and agricultural areas	• • • • •	• • • •	• • • •	• • •
wet areas, close to water reservoirs	• • • • •	• • • •	• • • • •	• • •
forests	• • • • •	• • •	• • • • •	• •
USE WITH EXTERNAL WALL INSULATION				
ATLAS/AVAL ETICS	+	+	+	+
ATLAS/AVAL ROKER ETICS	+	+	+	-

façade paints



professional façade paint ATLAS SALTA (AVAL KT 46)

ATLAS SALTA (AVAL KT 46) is a modern façade paint produced on the basis of modified silicone resin. It combines the advantages of silicate and dispersive paints: high elasticity, excellent vapour permeability and resistance to abrasion and weathering. In addition, the paint is resistant to variable weather conditions as well as aggressive elements from the substrate and the environment. The paint coating is extremely tight and microscopically smooth. Therefore, dirt particles and fungal spores detach easily and are removed naturally during rainfall – the façade does not require frequent maintenance. ATLAS SALTA (AVAL KT 46) paint was designed on the basis of three unique and state-of-the-art protective systems:



BIO PROTECTION – creates unfavorable conditions for fungi and algae growth due to low water absorption. High quality of silicone resin efficiently protects painted surface from water ingress and superficial contamination. The paint coating is extremely tight and microscopically smooth so dirt particles and fungal spores detach easily and are removed naturally during precipitation.



COLOUR DURABILITY – advanced technology guarantees improved colour durability. Due to the use of modern pigments, automatic system of dosing and permanently supervised process of manufacturing – paint keeps its initial colour, is more resistant to bleaching and UV radiation.



ENVIRONMENTALLY FRIENDLY – due to our concern for the natural environment the paint recipe was designed to include the sustainable development policy – only natural fillers were used and volatile compounds content was maximally reduced.



façade renders and paints

ATLAS

ATLAS and AVAL renders and paints are available in wide range of colours - the current palette includes 400 carefully selected shades. The colour scheme was developed in collaboration with urban planning experts and colour scheme professionals. Finally, we created modern and optimum colour scheme offer which responds to actual requirements and needs of the market, in line with the latest design trends.

400 colours in our palette are divided into two groups. The first one consists of 200 pastel, toned-down colours selected on the basis of currently most fashionable shades, while the second one is represented by 200 colours of more intensive shades. Therefore, among the colours one can find both colours usually chosen as dominant (to be applied on the greater part of a façade) as well as accompanying shades, used only to accentuate certain elements or fragments of the building, e.g. plinths, breaks.

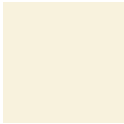
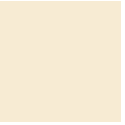
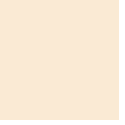
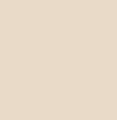
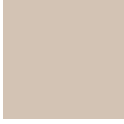
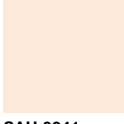
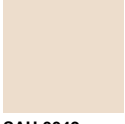
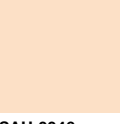
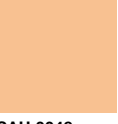
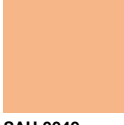
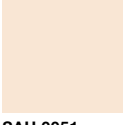
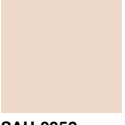
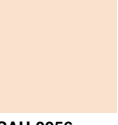
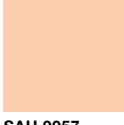
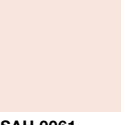
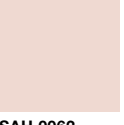
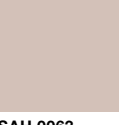
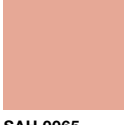
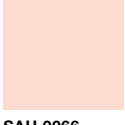
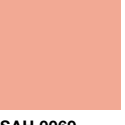
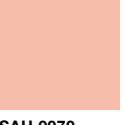
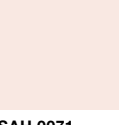
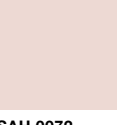
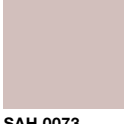
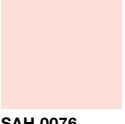
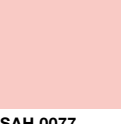
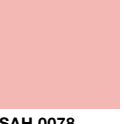
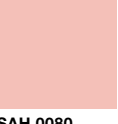
The palette of 400 colours of ATLAS and AVAL renders and paints will work well for both traditional buildings and modern architecture. While choosing colours of a façade, one does not need to worry about the use of intense shades or unconventional combinations with pastels. Delicate colours help us to adjust the appearance of the building façade to the surroundings, both in terms of nature and neighboring buildings. In addition, the use of bright shades enhances the aesthetics and enlarges the building visually. Details and elements painted with dark, rich paint colours perfectly emphasize the value of a facility, giving it its individual character and composing well with, e.g. lining or closest surroundings.



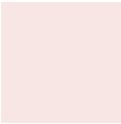
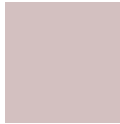
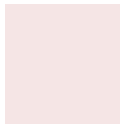
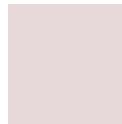
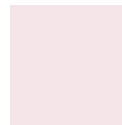
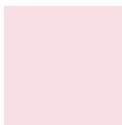
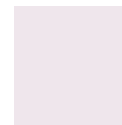
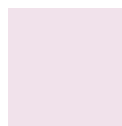
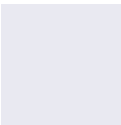
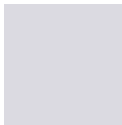
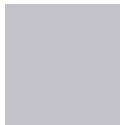
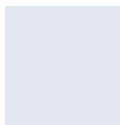
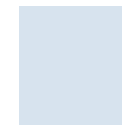
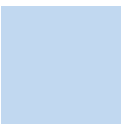
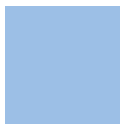
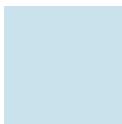
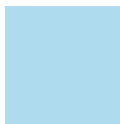
**SAH
colour
scheme**

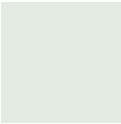
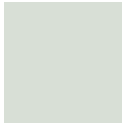
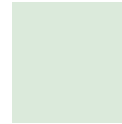
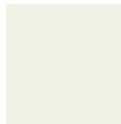
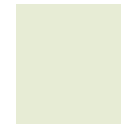
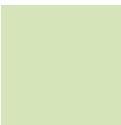
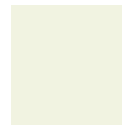
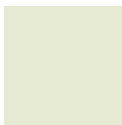
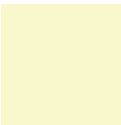
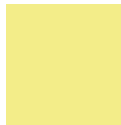
façade renders and paints

SAH COLOUR RANGE

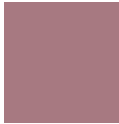
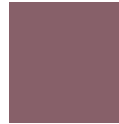
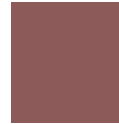
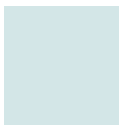
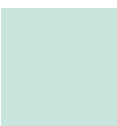
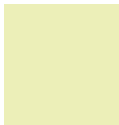
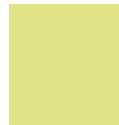
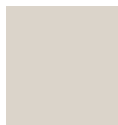
							
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SAH 0017	SAH 0018	SAH 0019	SAH 0020	SAH 0021	SAH 0022	SAH 0023	SAH 0024
							
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SAH 0041	SAH 0042	SAH 0043	SAH 0044	SAH 0045	SAH 0046	SAH 0047	SAH 0048
							
SAH 0049	SAH 0050	SAH 0051	SAH 0052	SAH 0053	SAH 0054	SAH 0055	SAH 0056
							
SAH 0057	SAH 0058	SAH 0059	SAH 0060	SAH 0061	SAH 0062	SAH 0063	SAH 0064
							
SAH 0065	SAH 0066	SAH 0067	SAH 0068	SAH 0069	SAH 0070	SAH 0071	SAH 0072
							
SAH 0073	SAH 0074	SAH 0075	SAH 0076	SAH 0077	SAH 0078	SAH 0079	SAH 0080

Colours shown have a view character only, can slightly differ from actual shades.

							
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SAH 0393	SAH 0394	SAH 0395	SAH 0396	SAH 0397	SAH 0398	SAH 0399	SAH 0400

mosaic





OUR PROJECT, MOSAIC RENDER ATLAS DEKO M

Mosaic finishes ATLAS DEKO M (AVAL KT 77) offer modern thin-coat renders, which can be widely used wherever one wants to combine extraordinary elegance and practicability. They are applied with coats of thickness same as the thickness of the quartz aggregate mixed in the mass – usually from 1 up to 3 mm.

The renders offer:

- strength to mechanical damage, therefore can be used on the most demanding substrates, e.g. plinths, posts, garages and staircases, communication routes, quoins of façades imitating natural stone texture,
- unique recipe and modern technology guaranteeing hydrophobic properties, self-cleaning ability, water vapour permeability, resistance to soiling and negative atmospheric action,
- high elasticity, therefore perfect compensation of stress resulting from thermal expansion of layers beneath the rendering coat, which can occur, for example, in intensive sunlight.

The colour composition and dosed aggregate allow to form durable and outstanding effect.

ATLAS DEKO M (AVAL KT 77) renders are available in three options:

ATLAS DEKO M 60 (AVAL KT 77-60)

- grain size 1.0-1.6 mm; 1.4-2.0 mm; as ready-to-use products offered in 60 colour compositions

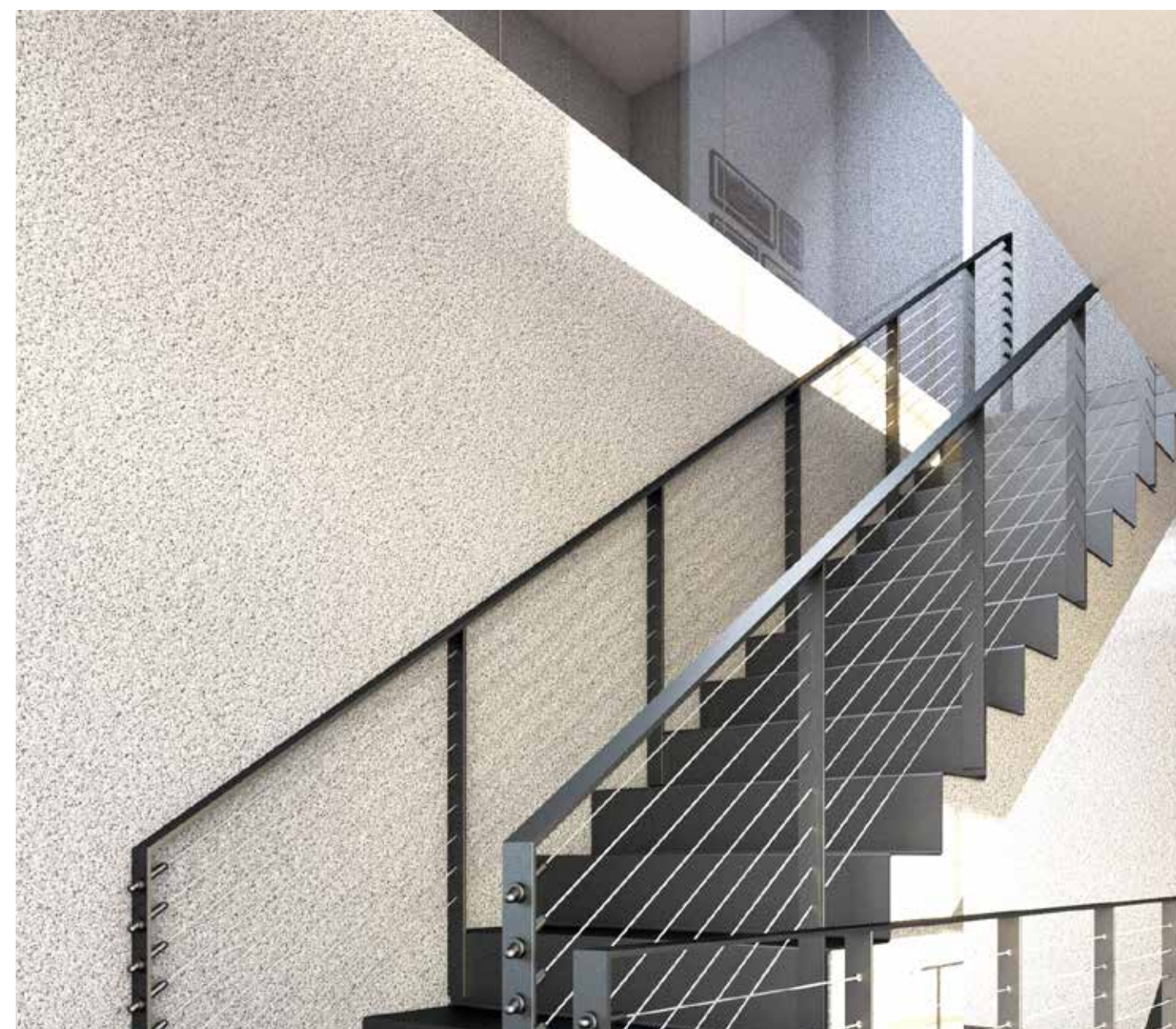
ATLAS DEKO M TM1 (AVAL KT 77 TM1)

- grain size 0.2-0.8 mm; for individual preparation in 84 colour compositions

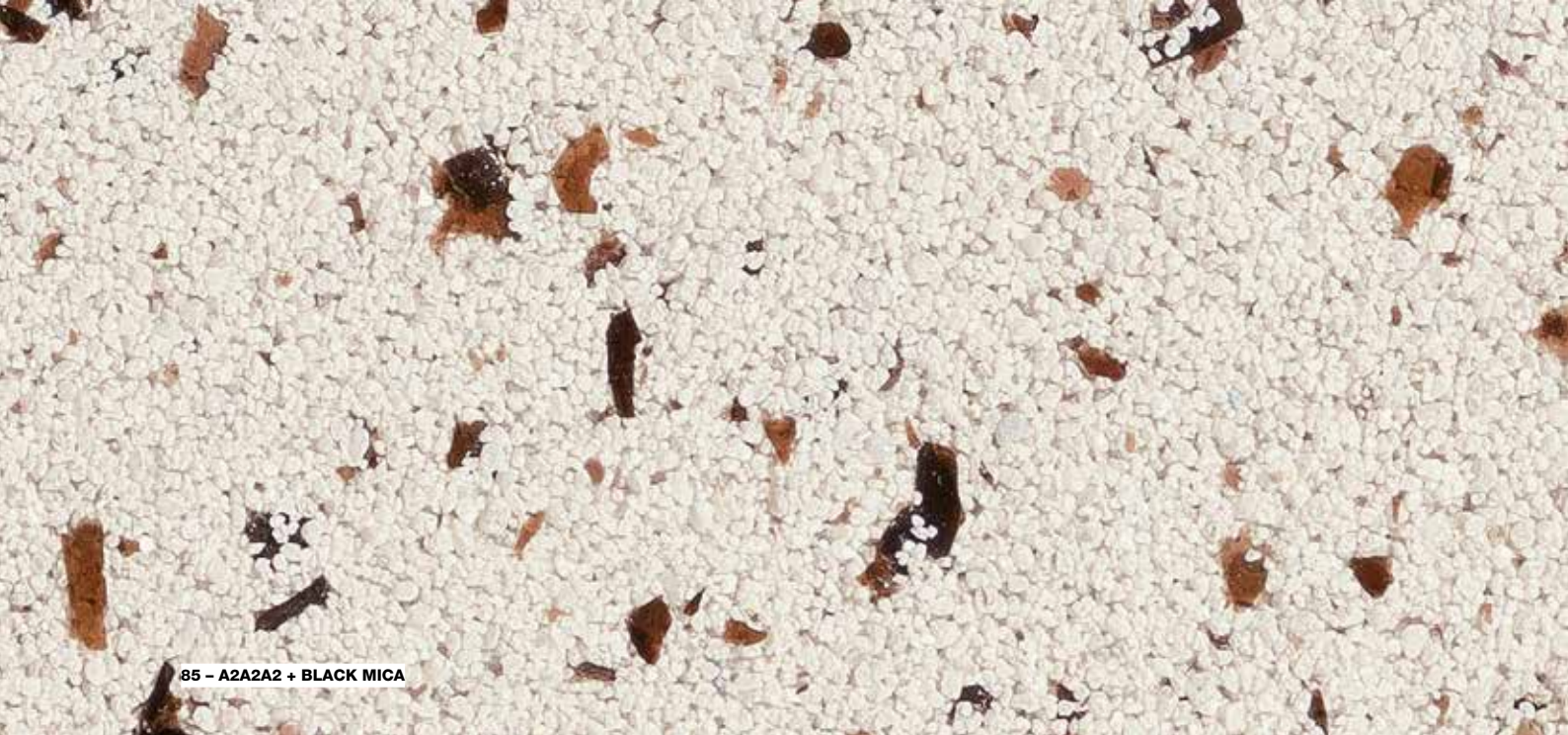
ATLAS DEKO M TM3 (AVAL KT 77 TM3)

- grain size 1.0-1.6 mm and 1.4-2.0 mm; for individual preparation in 20 colour compositions.





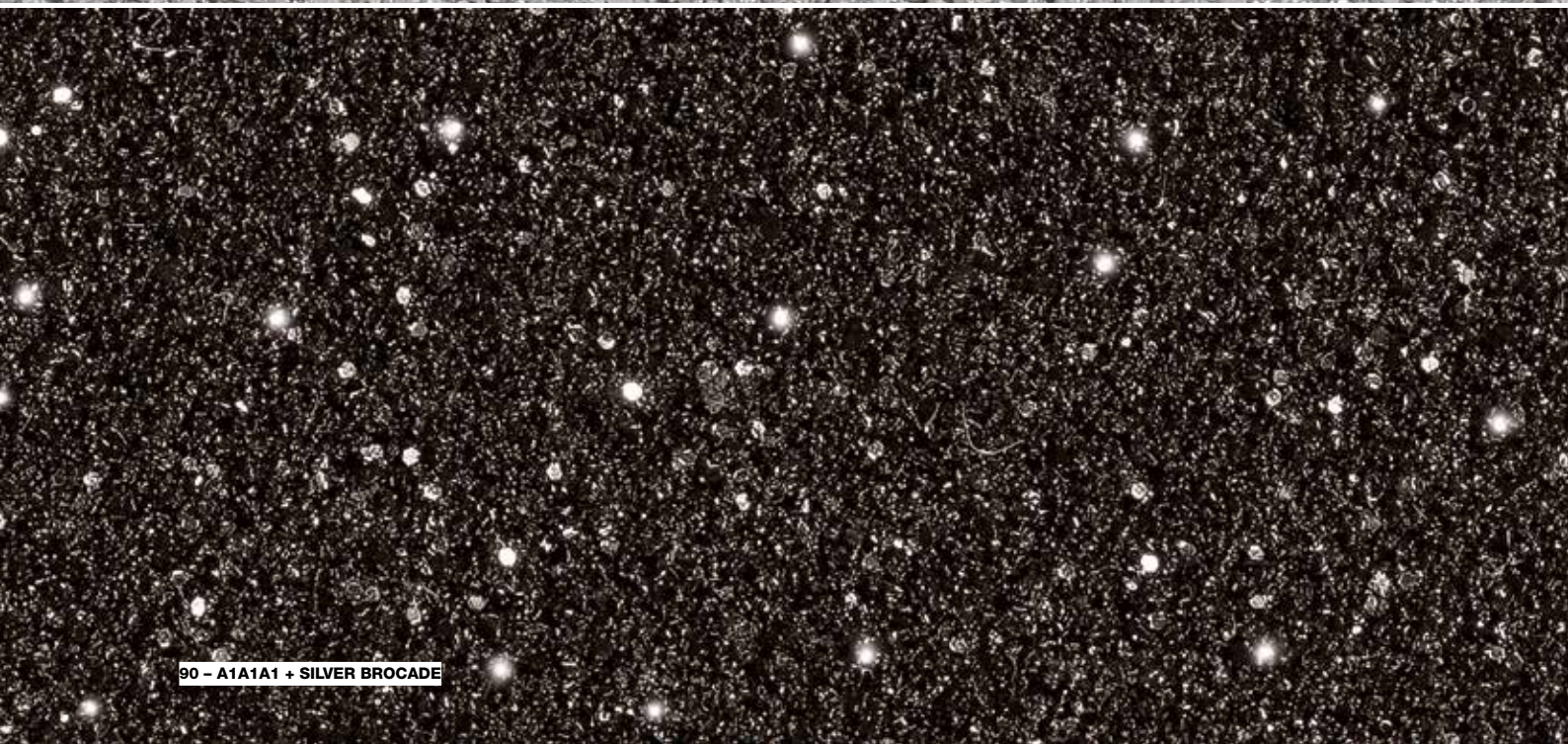
VISUALISATION, MOSAIC RENDER ATLAS DEKO M, COLOUR A6A7A6 + BROCADE, A2A2A2



85 - A2A2A2 + BLACK MICA



19 - A6A7A6



90 - A1A1A1 + SILVER BROCADE

mosaic

ATLAS DEKO M TM1 TM3



1-A2A2A2



2-A2A5A2



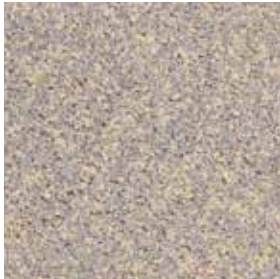
3-A5A5A2



4-A5A5A5

Colours shown have a view character only, can slightly differ from actual shades.

mosaic
ATLAS DEKO M TM1 TM3



5-A6A6A5A



6-A5A7A2



7-A5A7A5



8-A5A6A5



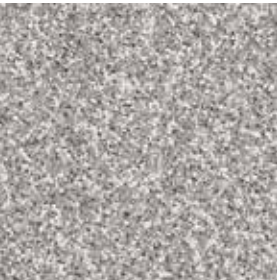
9-A2A6A2



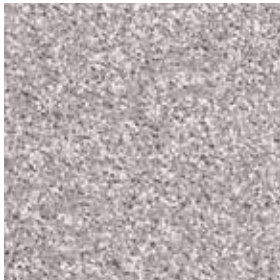
10-A2A7A2



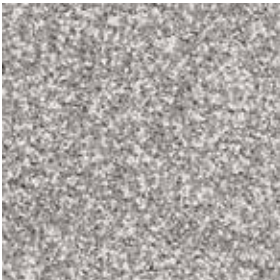
11-A5A6A2



12-A6A7A2



13-A6A6A2



14-A7A7A2



15-A7A7A5



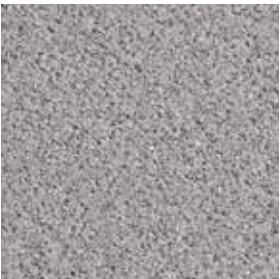
16-A6A7A5



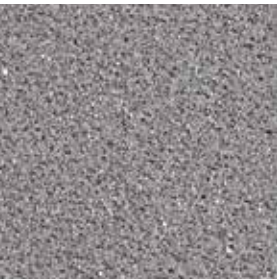
17-A7A7A7



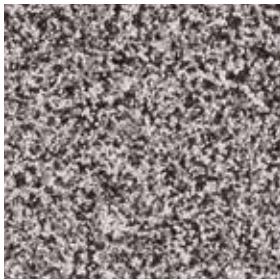
18-A6A6A6D



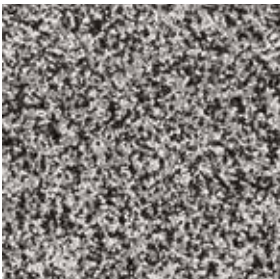
19-A6A7A6



20-A7A7A6



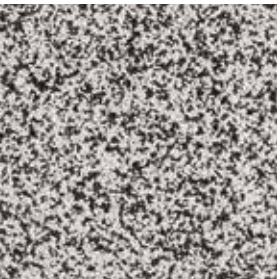
21-A2A7A1



22-A2A6A1



23-A2A5A1



24-A2A2A1

Colours shown have a view character only, can slightly differ from actual shades.



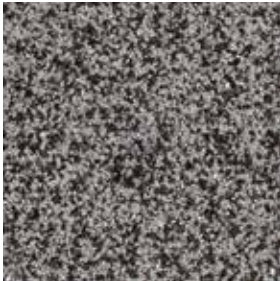
25-A5A5A1



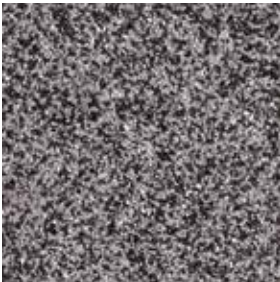
26-A5A6A1



27-A5A7A1



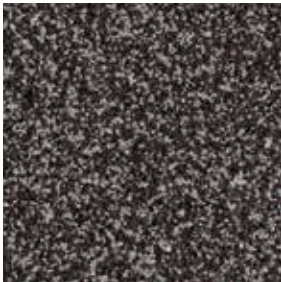
28-A6A7A1



29-A7A7A1



30-A1A7A1



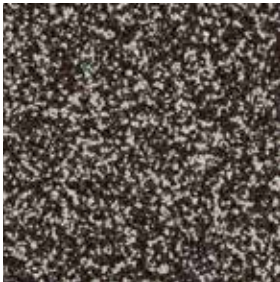
31-A1A6A1



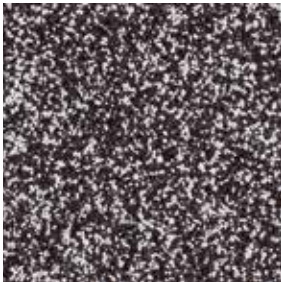
32-A1A1A1



33-A4A5A1



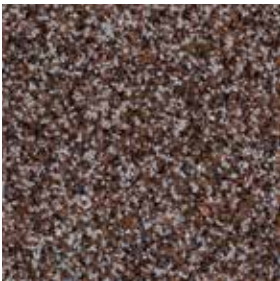
34-A1A5A1



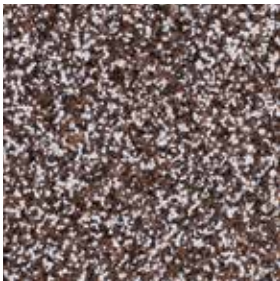
35-A1A2A1



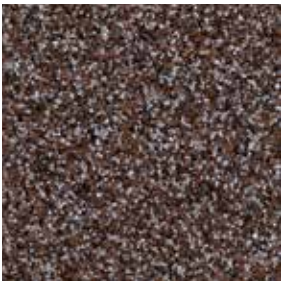
36-A1A4A1



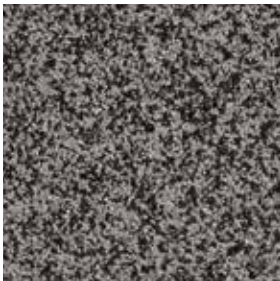
37-A4A6A1



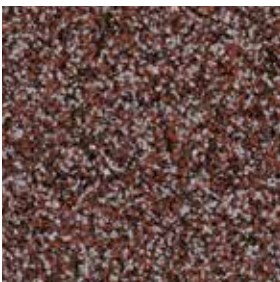
38-A2A4A1



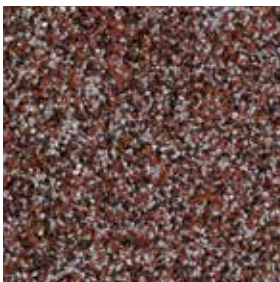
39-A4A7A1



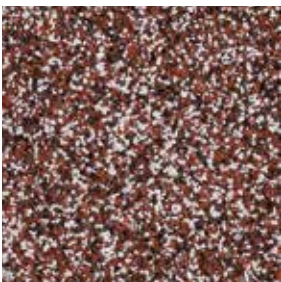
40-A6A6A1



41-A3A6A1



42-A3A7A1



43-A2A3A1



44-A4A4A1



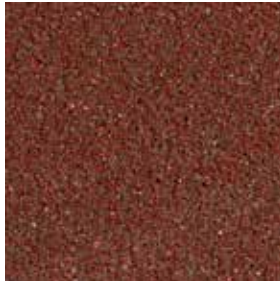
45-A3A4A1



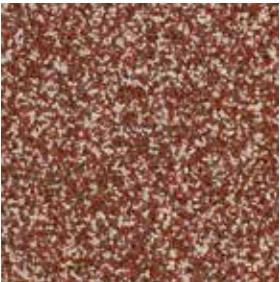
46-A1A3A1



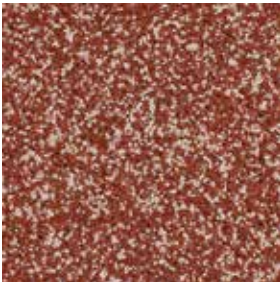
47-A3A3A1



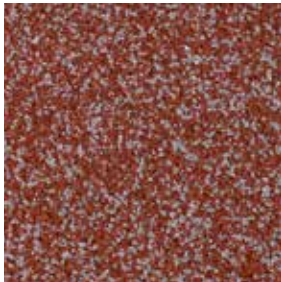
48-A4A4A3



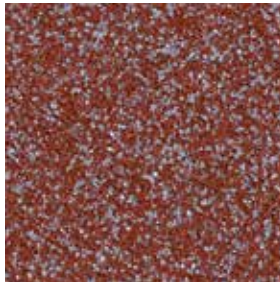
49-A4A5A3



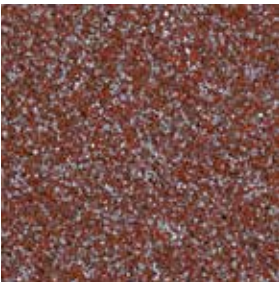
50-A3A5A3



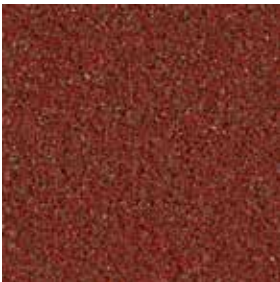
51-A3A6A3



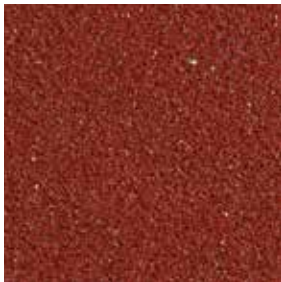
52-A3A7A3



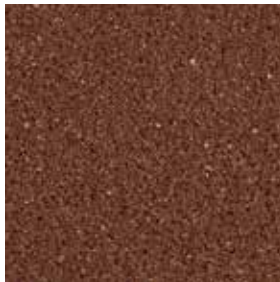
53-A4A7A3



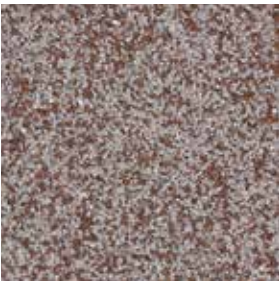
54-A3A4A3



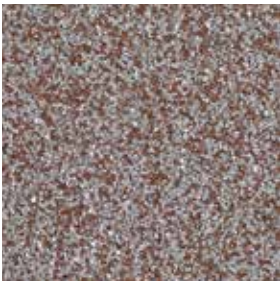
55-A3A3A3



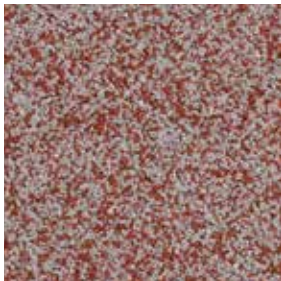
56-A4A4A4



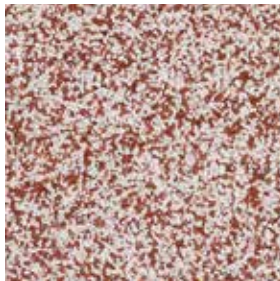
57-A6A7A3



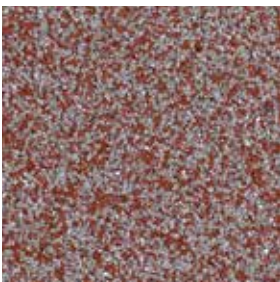
58-A7A7A4



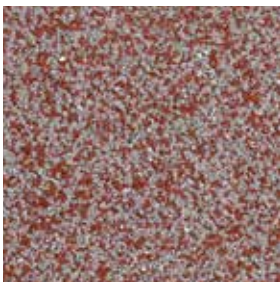
59-A6A6A3



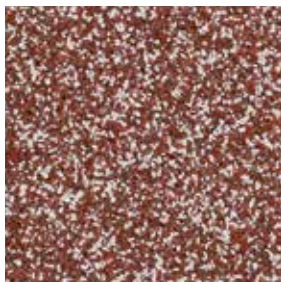
60-A2A3A2



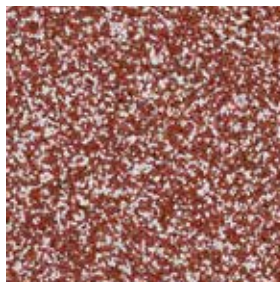
61-A7A7A3



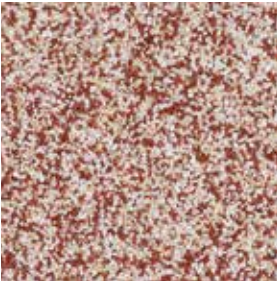
62-A6A7A3



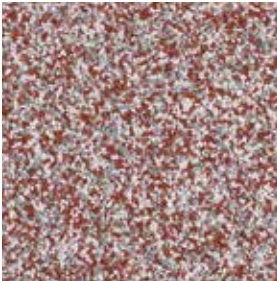
63-A3A4A2



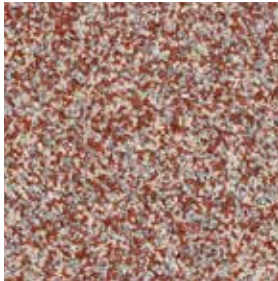
64-A3A3A2



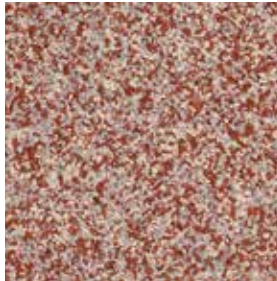
65-A3A5A2



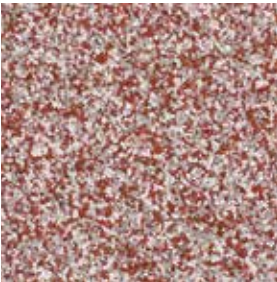
66-A3A7A2



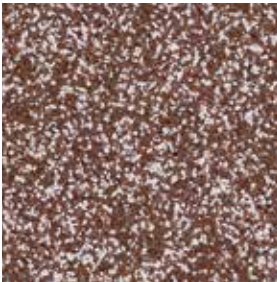
67-A5A7A3



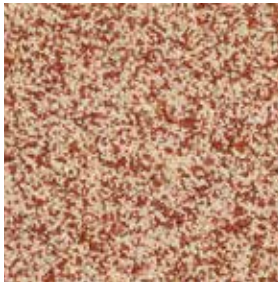
68-A5A6A3



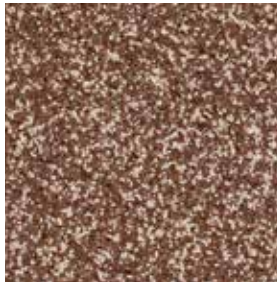
69-A3A6A2



70-A4A4A2



71-A5A5A3



72-A4A5A4



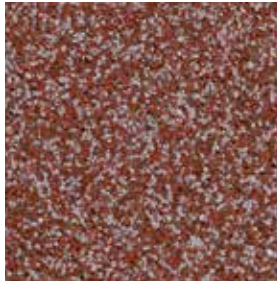
73-A4A7A4



74-A4A6A4



75-A3A5A1



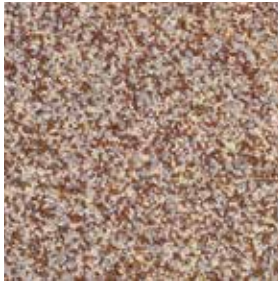
76-A4A6A3



77-A4A6A2



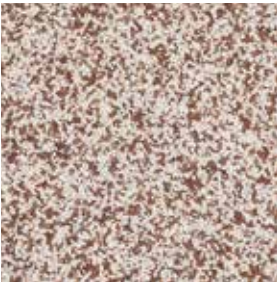
78-A5A5A4



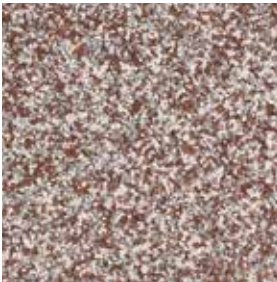
79-A5A6A4



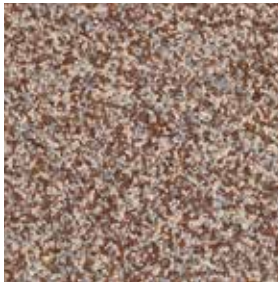
80-A6A6A4



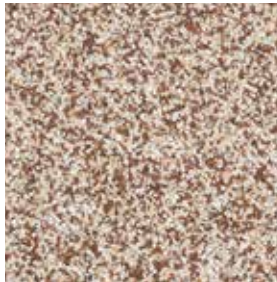
81-A2A4A2



82-A4A7A2



83-A5A7A4



84-A4A5A2A



TM3 - 001



TM3 - 002



TM3 - 003



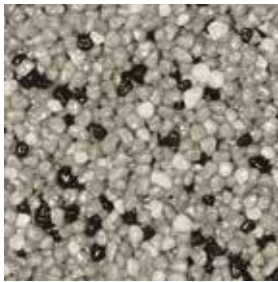
TM3 - 004



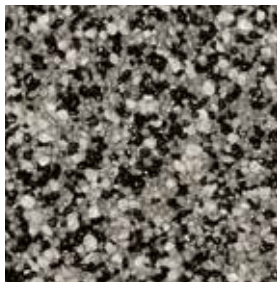
TM3 - 005



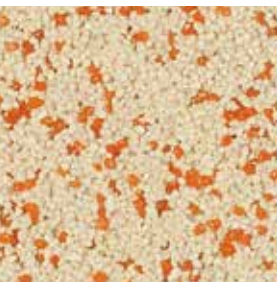
TM3 - 006



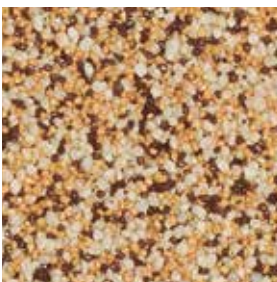
TM3 - 007



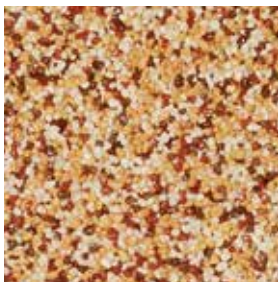
TM3 - 008



TM3 - 009



TM3 - 010



TM3 - 011



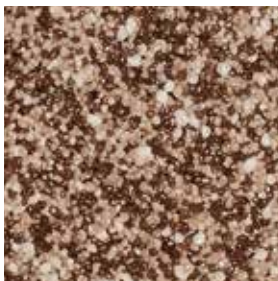
TM3 - 012



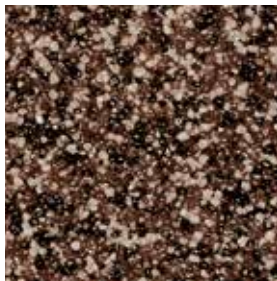
TM3 - 013



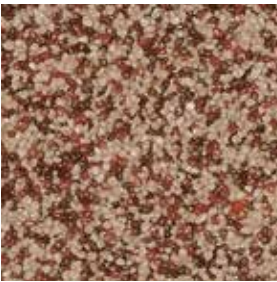
TM3 - 014



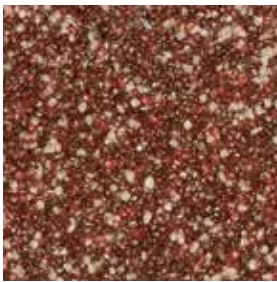
TM3 - 015



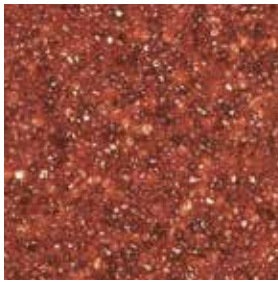
TM3 - 016



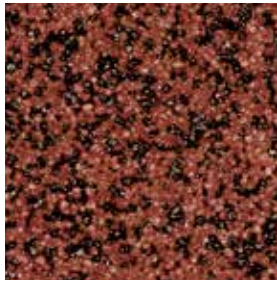
TM3 - 017



TM3 - 018



TM3 - 019



TM3 - 020

mosaic
ATLAS DEKO M 60



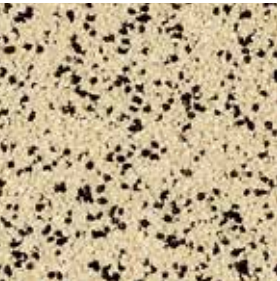
M111



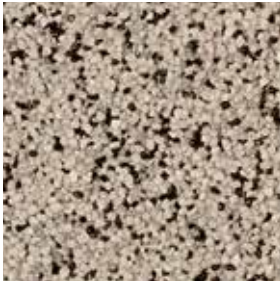
M112



M113



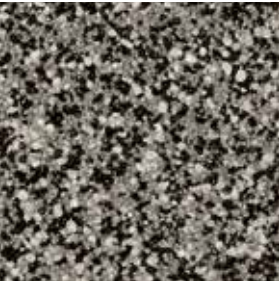
M114



M115



M116



M117



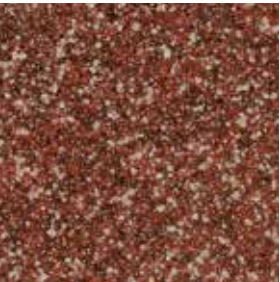
M118



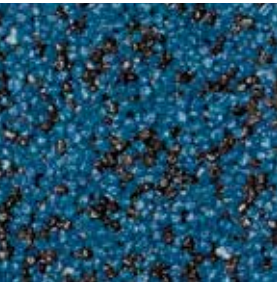
M119



M120



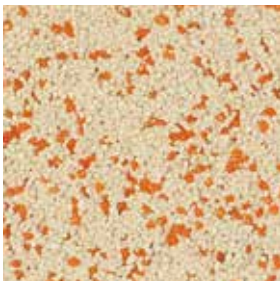
M121



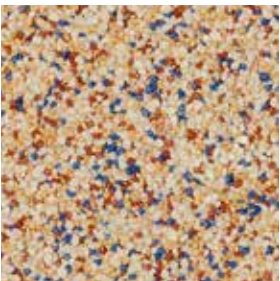
M122



M211



M212



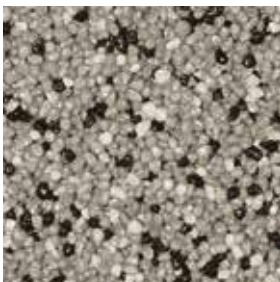
M213



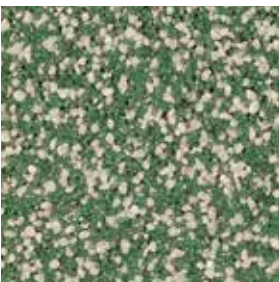
M214



M215



M216

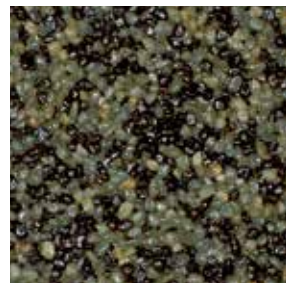


M217

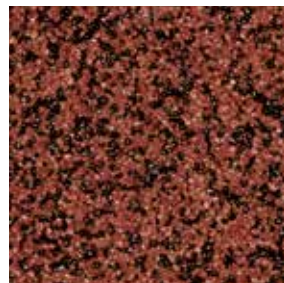


M218

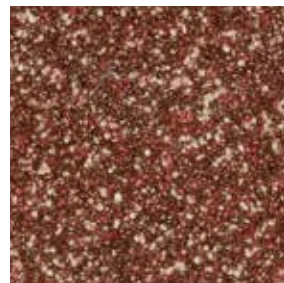
Colours shown have a view character only, can slightly differ from actual shades.



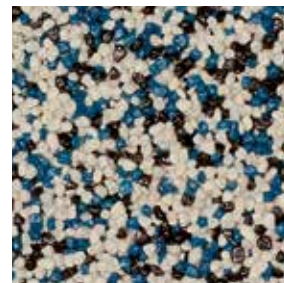
M219



M220



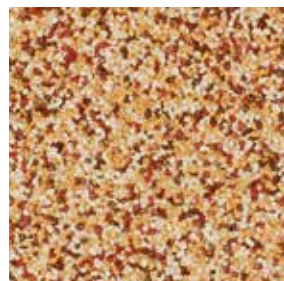
M221



M222



M311



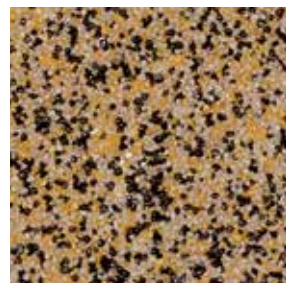
M312



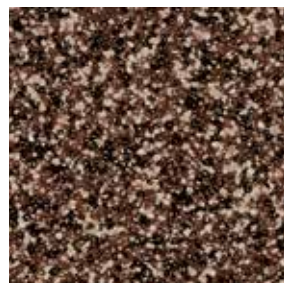
M313



M314



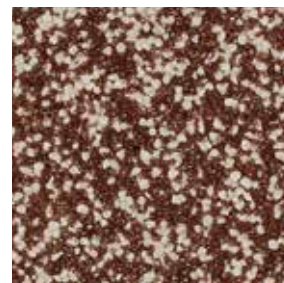
M315



M316



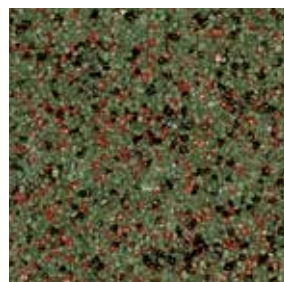
M317



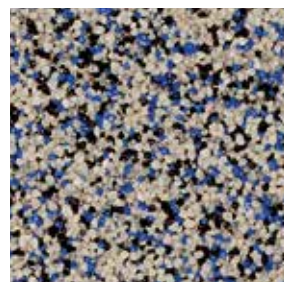
M318



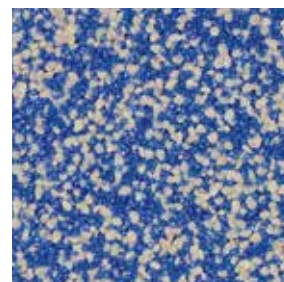
M319



M320



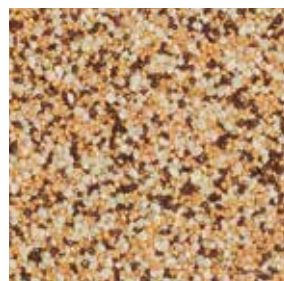
M321



M322



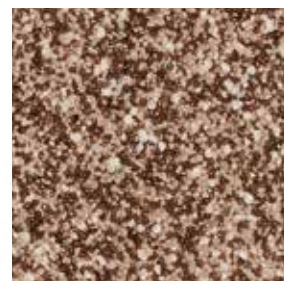
M411



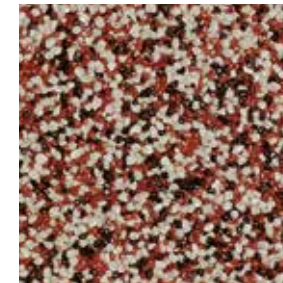
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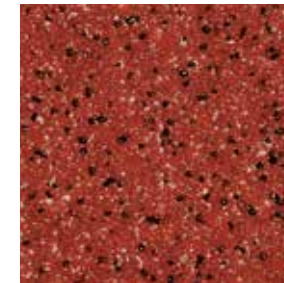
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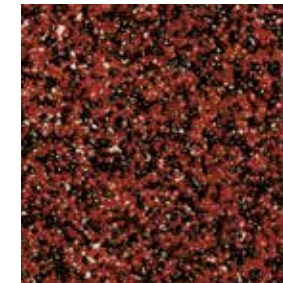
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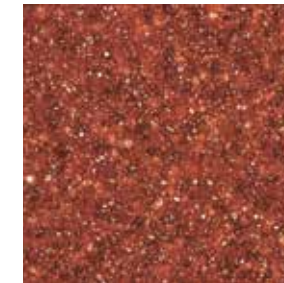
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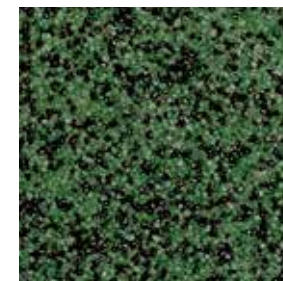
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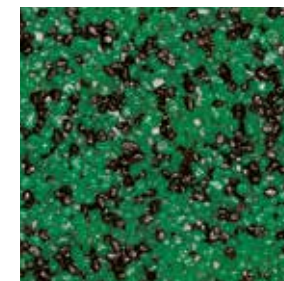
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M418



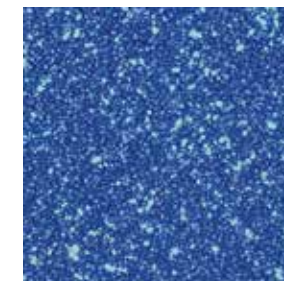
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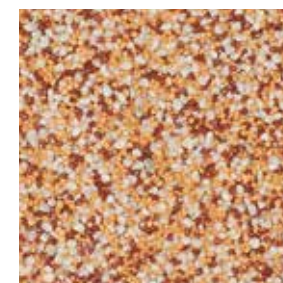
M420



M421



M522



M511



M512



M513



M514



M515



M516



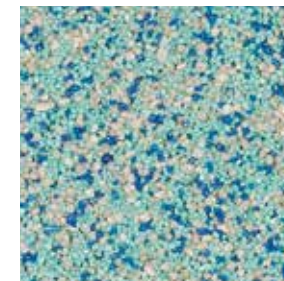
M417



M518



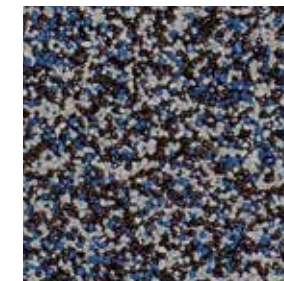
M519



M520



M521



M522



mosaic

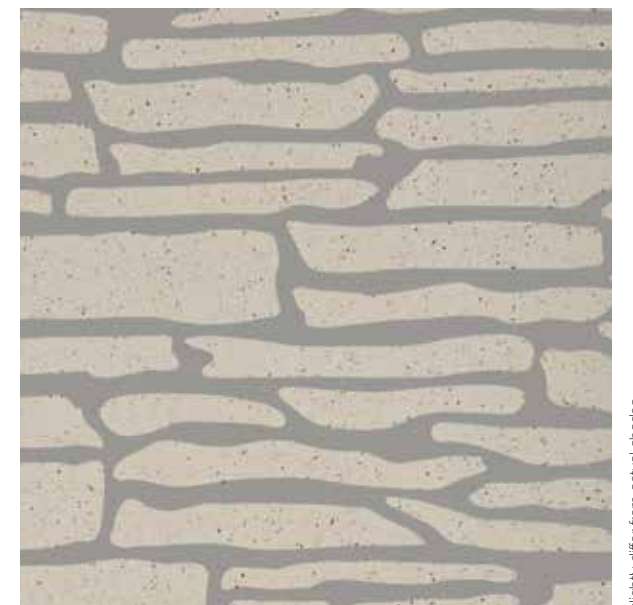
ATLAS DEKO M TEMPLATES

ATLAS DEKO M (AVAL KT 77) renders can be applied with the use of templates, e.g. irregular stones or brick-like. They allow to form outstanding and extraordinary coatings imitating façades of Cyclopean masonry walls and similar surfaces made of natural stone. The products enable free selection of the façade and grouting colour.

DEKO M (KT 77) is a perfect solution for decoration of flats, houses and public access rooms.



DEKO M WITH IRREGULAR STONE TEMPLATE



DEKO M WITH SLATE TEMPLATE



DEKO M WITH BRICK TEMPLATE

Colours shown have a view character only, can slightly differ from actual shades.

A close-up photograph of a textured surface, possibly concrete or stone, with a prominent diagonal line running from the bottom left towards the top right. The texture is granular and uneven, with varying shades of grey and white. The lighting creates a strong contrast between the illuminated and shadowed areas.

technical data sheets

Option 1

Traditional rendering system with paint coating, without additional reinforcement

Perfect technological and material solution for traditional, thick-coat façade renders. It is recommended for buildings which have not been previously rendered; for use on sound substrates not vulnerable to deformation or cracking. The system is characterized by high resistance to mechanical damage and acts of vandalism. It performs superbly on buildings located near roads and communication routes. The system provides a smooth and stable substrate to be painted with SALTA/AVAL KT46 silicone façade paint. It is possible to form perfectly smooth surface (smooth finish) owing to the use of ATLAS REKORD cement top finish.

MOST IMPORTANT CHARACTERISTICS:

- low price–budget solution,
- high resistance to mechanical impacts and vandalism
- high interlayer bonding provided by two-layer system (cement base coat + main coat)
- elimination of potential substrate unevenness with layer up to 30 mm thick
- self-cleaning characteristic of silicone paint guarantees clean façade for longer; no need for additional maintenance
- silicone paint available in 400 colours, from pastel to more intensive ones

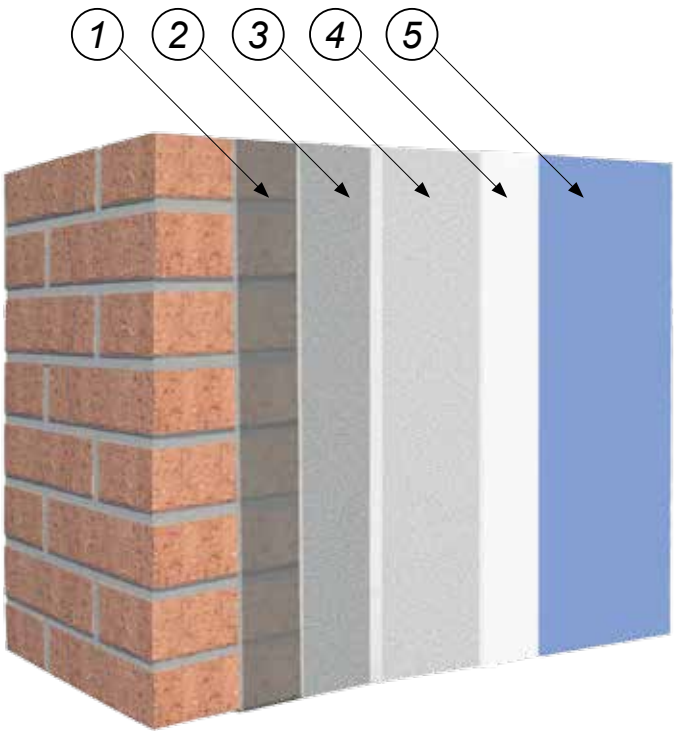
Possible use – types of buildings:

- residential buildings
- industrial buildings
- farm and rural buildings
- commercial, public access and service buildings

Possible use – buildings location:

- urban and urbanised areas
- industrial and investment areas
- farms and rural areas
- wetlands, damp areas, areas in proximity to water reservoirs
- areas in proximity to green zones and forests
- enshadowed areas

SYSTEM ELEMENTS:



- 1. ATLAS UNI-GRUNT/AVAL KT 17
- 2. ATLAS CEMENT BASE COAT
- 3. ATLAS PLASTERING MIX
- 4. ATLAS REKORD
- 5. ATLAS SALTA/AVAL KT 46

Substrate preparation	ATLAS UNI-GRUNT/AVAL KT 17 *)	fast-drying priming emulsion based on acrylic water dispersion
	ATLAS Cement base coat	cement mortar highly adhesive to substrate, forms contact layer, manual and machine application possible
Main coat	ATLAS Plastering mix	cement mortar for indoor and outdoor plastering, available in two versions: for manual and machine application
Finish coat	ATLAS REKORD **)	cement top finish for walls and ceilings
	ATLAS SALTA/AVAL KT 46	modern silicone paint

*) emulsion required in case of walls made of cellular concrete or highly absorptive substrates

**) optionally, if perfectly smooth façade surface must be formed

APPLICATION TECHNOLOGY

Types of substrates:

- rough (not rendered) brick wall or wall made of small size bricks, ceramic or sand-lime hollow blocks, cellular concrete or concrete blocks

Requirements for the substrate:

- dry, stabilized, stable and sound, i.e. properly strong,
- cleaned from residues which may weaken the adhesion, especially from dust, dirt, lime, oils, grease, wax, anti-adhesion agents, paints and poorly bonded coatings
- primed (if there is a need to reduce substrate absorptiveness we recommend using ATLAS UNI-GRUNT/AVAL KT 17 emulsion) or moistened with water

Instructions for use:

- detailed information on technology of use of particular products are given in the technical data sheets available on <http://www.atlas.com.pl/en>

USE IN THE WINTERTIME:

ATLAS UNI-GRUNT/AVAL KT 17	do not use
ATLAS Cement base coat	one can add so-called anti-freezing agents to the mortar; they allow the contractors to conduct the works in low temperature, i.e. below +5°C. New range of temperature for mortar use, way of mortar preparation (especially reduced amount of batch water), works procedure and conditions of mortar setting must be applied in accordance with agent manufacturer's instructions
ATLAS Plastering mix	
ATLAS REKORD	do not use
ATLAS SALTA/AVAL KT 46	with ATLAS ESKIMO agent added, it is possible to use the paint in low temperature (not lower than 0°C) and high humidity (above 80%).

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.

Date of update: 2017.07.01

Option 2

Traditional rendering system with acrylic render, without additional reinforcement

This technological and material solution was designed to form attractive and modern render coatings. It is recommended for buildings which have not been previously rendered; for use on sound substrates not vulnerable to deformation or cracking. **Option II is the ideal solution if one aims to form thin-coat render finish without the additional layers reinforced with mesh.** It is not only a budget solution in regard to materials prices, but it is also very visually attractive, as the top finish is represented by colorful thin-coat renders. Depending on one’s needs and expectations one may use any of the state-of-the-art spotted texture façade renders: ATLAS/AVAL ACRYLIC or ATLAS/AVAL ACRYLIC-SILICONE, or ATLAS DEKO M/AVAL KT 77 colorful mosaic render.

MOST IMPORTANT CHARACTERISTICS:

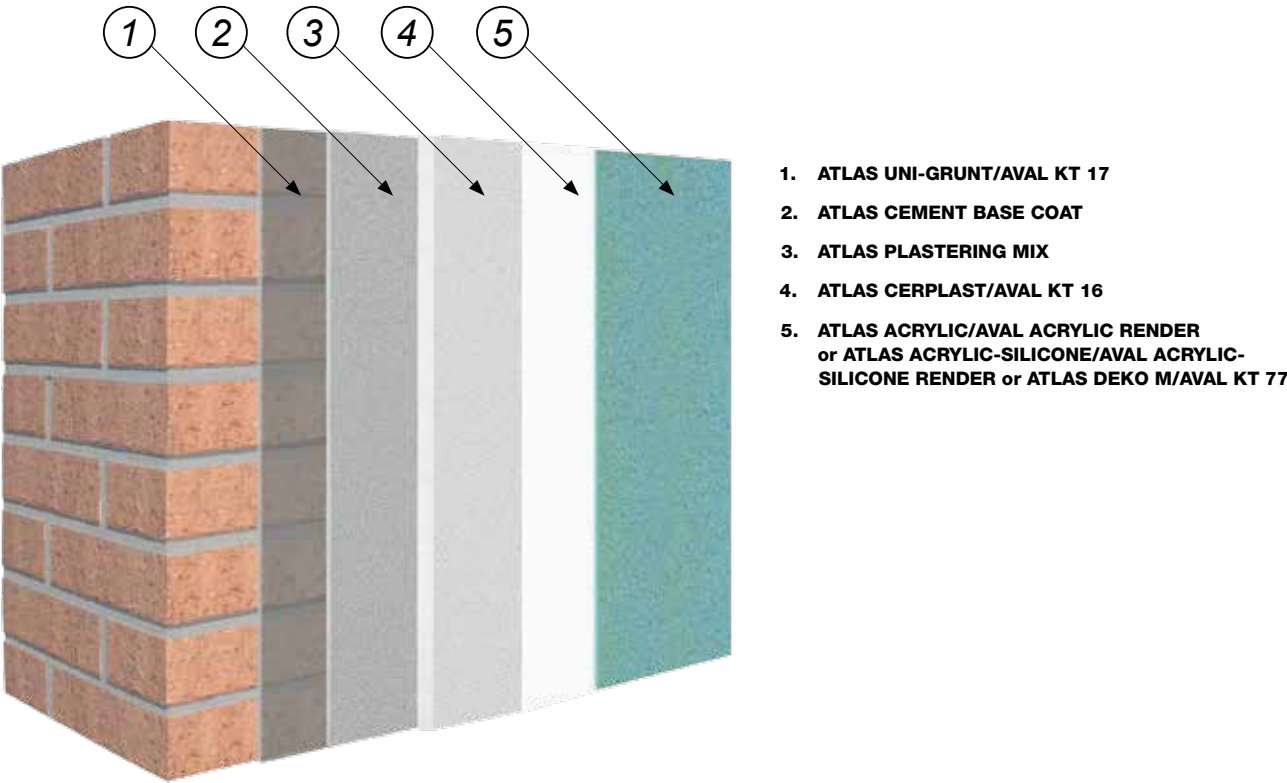
- very competitive price – stylish wall top finish formed with the use of low cost material
 - very low water absorptiveness of the finishing coat makes the system extremely durable
 - high resistance and flexibility of the finishing coat
 - wide selection of colourful renders, various possibilities of the building final appearance
 - mosaic render can be used on plinths and at areas near to the entrance
- Possible use – types of buildings:**

 - residential buildings
 - farm and rural buildings
 - commercial, public access and service buildings

Possible use – buildings location:

 - urban and urbanised areas
 - farms and rural areas
 - enshadowed areas

SYSTEM ELEMENTS:



Substrate preparation	ATLAS UNI-GRUNT/AVAL KT 17 *)	fast-drying priming emulsion based on water dispersion of acrylics
	ATLAS Cement base coat	cement mortar characterised by strong bonding to the substrate, forms contact layer
Main coat	ATLAS Plastering mix	cement mortar for indoor and outdoor plastering
Top coat	ATLAS CERPLAST/AVAL KT 16	priming mass for render, improves the adhesion of thin-coat render to the substrate
	ATLAS ACRYLIC/AVAL ACRYLIC RENDER or ATLAS ACRYLIC-SILICONE/AVAL ACRYLIC-SILICONE RENDER or ATLAS DEKO M/AVAL KT 77	thin-coat acrylic, acrylic-silicone or mosaic render

*) emulsion required in case of walls made of cellular concrete or highly absorptive substrates

APPLICATION TECHNOLOGY

Types of substrates:

- rough (not plastered) brick wall or wall made of small size bricks, ceramic or sand-lime hollow blocks, cellular concrete or concrete blocks

Requirements for the substrate:

- dry, stabilized, stable and sound, i.e. properly strong
- cleaned from residues which may weaken the adhesion, especially from dust, dirt, lime, oils, grease, wax, anti-adhesion agents, paints and poorly bonded coatings
- primed (if there is a need to reduce substrate absorptiveness we recommend using ATLAS UNI-GRUNT/AVAL KT 17 emulsion) or moistened with water

Instructions for use:

- detailed information on technology of use of particular products are given in the technical data sheets available on <http://www.atlas.com.pl/en>

USE IN THE WINTERTIME:

ATLAS UNI-GRUNT/AVAL KT 17	do not use
ATLAS Cement base coat	one can add so-called anti-freezing agents to the mortar; they allow the contractors to conduct the works in low temperature i.e. below +5°C. New range of temperature for mortar use, way of mortar preparation (especially reduced amount of batch water), works procedure and conditions of mortar setting must be applied in accordance with agent manufacturer's instructions
ATLAS Plastering mix	
ATLAS CERPLAST/AVAL KT 16	do not use
ATLAS SALTA/AVAL ATLAS ACRYLIC/AVAL ACRYLIC RENDER or ATLAS ACRYLIC-SILICONE/AVAL ACRYLIC-SILICONE RENDER or ATLAS DEKO M/AVAL KT 77	with ATLAS ESKIMO agent added, it is possible to use the paint in low temperature (not lower than 0°C) and high humidity (above 80%).

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.

Date of update: 2017.07.01

Option 3

Modern rendering system with silicone render, without additional reinforcement

Option III is a state-of-the-art technological and material solution which consists of the most modern renders on the market: silicone and silicone-silicate (hybrid). The main coat is represented by thick-coat cement plaster which provides a very stable substrate for the thin-coat render – there is no need for an additional layer reinforced with mesh. Option III is recommended for buildings which have not been previously plastered; for use on sound substrates not vulnerable to deformation or cracking. Properties of silicone and silicone-silicate renders makes it a perfect solution for buildings located in industrial, rural and covered with forest zones – generally in all areas where the façade is vulnerable to significant biological contamination.

MOST IMPORTANT CHARACTERISTICS:

- very competitive price – stylish wall top finish formed with the use of low cost material
- very high resistance to dirt – silicone renders form surface of tight and not absorptive structure which repel contamination (dust, fumes, organic dirt)
- render ability for surface self-cleaning during precipitation
- very high flexibility and resistance of the finishing coat
- wide selection of colourful renders, various possibilities of the building final appearance

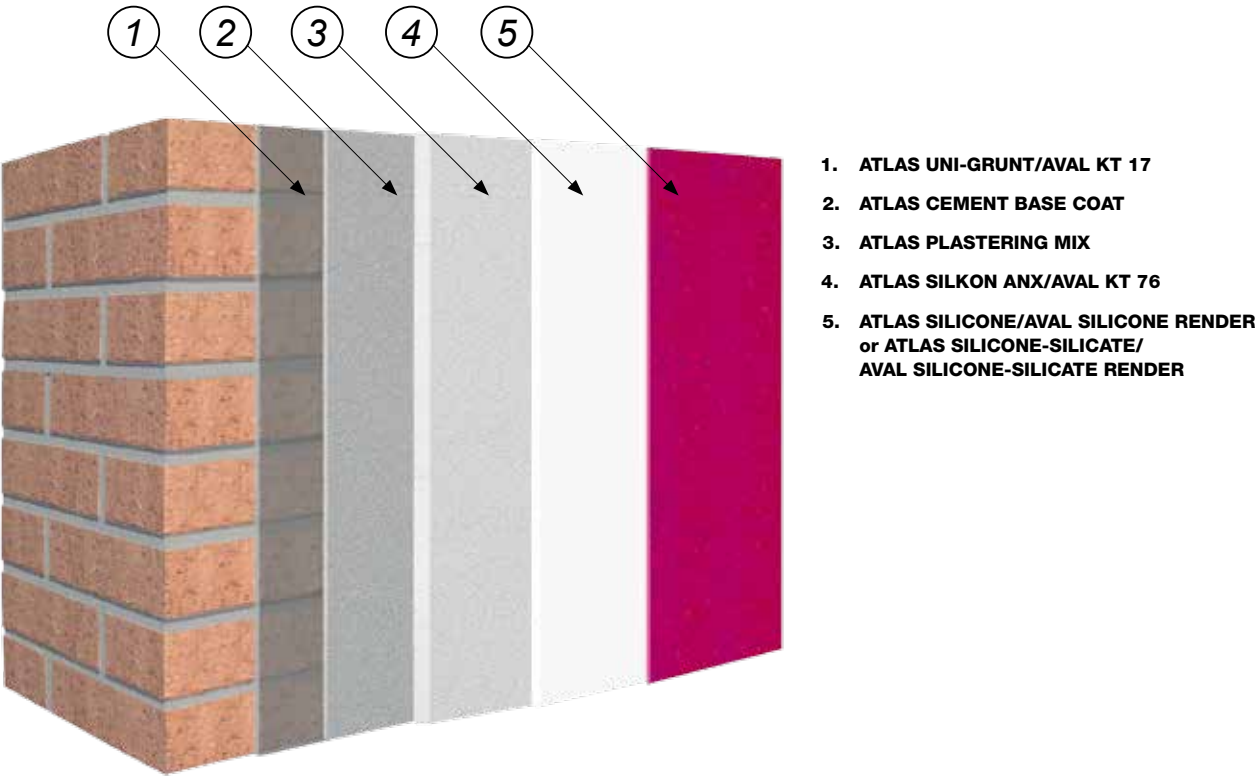
Possible use – types of buildings:

- residential buildings
- industrial buildings
- farm and rural buildings
- commercial, public access and service buildings

Possible use – buildings location:

- urban and urbanised areas
- farms and rural areas
- wetlands, damp areas, areas in proximity to water reservoirs
- areas in proximity to green zones and forests
- enshadowed areas

SYSTEM ELEMENTS:



Substrate preparation	ATLAS UNI-GRUNT/AVAL KT 17 *)	fast-drying priming emulsion based on water dispersion of acrylics
	ATLAS Cement base coat	cement mortar characterised by strong bonding to substrate, forms contact layer, manual and machine application
Main coat	ATLAS Plastering mix	cement mortar for indoor and outdoor plastering
Top coat	ATLAS SILKON ANX/AVAL KT 76	priming mass for render, improves the adhesion of thin-coat render to the substrate
	ATLAS SILICONE/AVAL SILICONE RENDER or ATLAS SILICONE-SILICATE/AVAL SILICONE-SILICATE RENDER	thin-coat silicone or silicone-silicate render

*) emulsion required in case of walls made of cellular concrete or highly absorptive substrates

APPLICATION TECHNOLOGY

Types of substrates:

- rough (not rendered) brick wall or wall made of small size bricks, ceramic or sand-lime hollow blocks, cellular concrete or concrete blocks

Requirements for the substrate:

- dry, stabilized, stable and sound, i.e. properly strong,
- cleaned from residues which may weaken the adhesion, especially from dust, dirt, lime, oils, grease, wax, anti-adhesion agents, paints and poorly bonded coatings
- primed (if there is a need to reduce substrate absorptiveness we recommend using ATLAS UNI-GRUNT/AVAL KT 17 emulsion) or moistened with water

Instructions for use:

- detailed information on technology of use of particular products are given in the technical data sheets available on <http://www.atlas.com.pl/en>

USE IN THE WINTERTIME:

ATLAS UNI-GRUNT/AVAL KT 17	do not use
ATLAS Cement base coat	one can add so-called anti-freezing agents to the mortar; they allow the contractors to conduct the works in low temperature, i.e. below +5°C. New range of temperature for mortar use, way of mortar preparation (especially reduced amount of batch water), works procedure and conditions of mortar setting must be applied in accordance with agent manufacturer's instructions
ATLAS Plastering mix	
ATLAS SILKON ANX/AVAL KT 76	do not use
AATLAS SILICONE/AVAL SILICONE RENDER or ATLAS SILICONE-SILICATE/AVAL SILICONE-SILICATE RENDERR	with ATLAS ESKIMO agent added, it is possible to use the paint in low temperature (not lower than 0°C) and high humidity (above 80%).

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..

Date of update: 2017.07.01

Option 4

Modern rendering system with acrylic render, with additional reinforcement

This technological and material solution was designed to form attractive and modern render coatings. It is recommended for buildings which have been already plastered, but need to be renovated and equipped with an attractive finish or enhanced in terms of façade appearance. Option IV may be used also when rendering the old, weakened cracked or potentially vulnerable to cracking substrates. Application of the mesh reinforced layer provides an even and stable substrate required-beneath the thin-coat render. It is an economical solution in view of material prices. In addition, it is also very visually attractive system, as the top finish is represented by colorful thin-coat renders. Depending on needs and expectations one may use one of the state-of-the-art spotted texture façade renders: ATLAS ACRYLIC/AVAL ACRYLIC RENDER or ATLAS ACRYLIC-SILICONE/AVAL ACRYLIC-SILICONE RENDER, or ATLAS DEKO M/AVAL KT 77 colourful mosaic render.

MOST IMPORTANT CHARACTERISTICS:

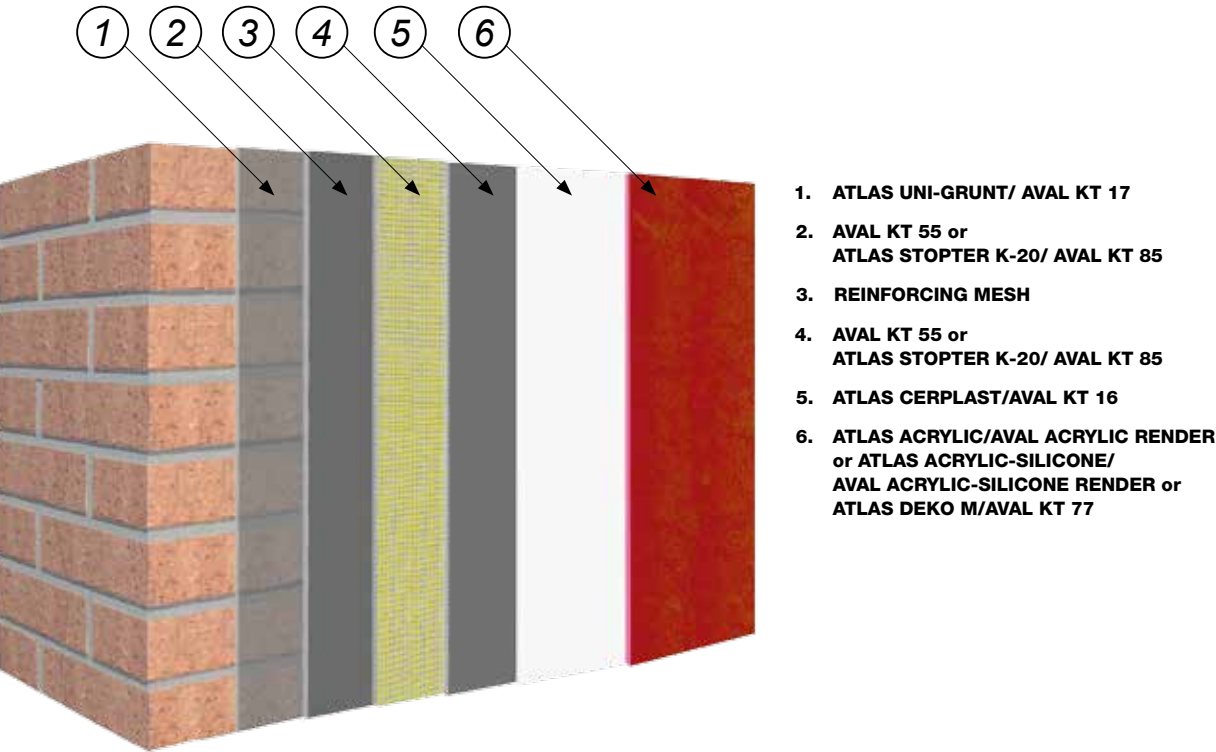
- stylish wall finish achieved with low cost materials
 - very good system durability – owing to the main coat made of adhesive with reinforcing mesh embedded and very low absorptiveness of the finishing coat
 - high flexibility and resistance of the finishing coat
 - wide selection of colourful renders, various possibilities of the building final appearance
 - mosaic render can be used on plinths and at areas near to the entrance
- Possible use – types of buildings:**

 - residential buildings
 - farm and rural buildings
 - commercial, public access and service buildings

Possible use – buildings location:

 - urban and urbanised areas
 - farms and rural areas
 - enshadowed areas

SYSTEM ELEMENTS:



Substrate preparation	ATLAS UNI-GRUNT/ AVAL KT 17 *)	fast-drying priming emulsion based on water dispersion of acrylics
Main coat	AVAL KT 55 or ATLAS STOPTER K-20/ AVAL KT 85	cement adhesive mortars containing reinforcing fibres
	reinforcing mesh	mesh of glass fibre, protected against alkali, minimum density 155 g/cm ²
Top coat	ATLAS CERPLAST/AVAL KT 16	priming mass for renders, improves the adhesion of thin-coat render to the substrate
	ATLAS ACRYLIC/AVAL ACRYLIC RENDER or ATLAS ACRYLIC-SILICONE/AVAL ACRYLIC-SILICONE RENDER, or ATLAS DEKO M/AVAL KT 77	thin-coat acrylic, acrylic-silicone or mosaic render

*) emulsion required in case of walls made of cellular concrete or highly absorptive substrates

APPLICATION TECHNOLOGY

Types of substrates:

- plastered brick wall or wall made of small size bricks, ceramic or sand-lime hollow blocks, cellular concrete or concrete blocks which require renovation; may be used on old, weakened cracked (not-structurally) or potentially vulnerable to cracking substrates.

Requirements for the substrate:

- dry, stabilized, stable and sound, i.e. properly strong
- plastered surface must be tapped with hammer to check whether the plaster has loosened from the structural part of the wall – a hollow sound during tapping indicates that the given parts of render is loose and must be removed and filled with a repair coat made of cement leveling mortars
- cleaned from residues which may weaken the adhesion, especially from dust, dirt, lime, oils, grease, wax, anti-adhesion agents, paints and poorly bonded coatings
- primed (if there is a need to reduce substrate absorptiveness we recommend using ATLAS UNI-GRUNT/AVAL KT 17 emulsion) or moistened with water

Attention! In case of cracked surfaces an initial diagnosis is needed. It is with the aim to verify the cause of the cracking and to determine whether the façade works can be carried out on the given building. The appearance of the structural cracking resulting from scratches on the structural building elements, uneven settlement, deformation due to the change of operation purpose, etc. requires an individual design and professional and comprehensive repair. Option IV can be used in case of thin, hair-like scratches and superficial cracking resulting from render wear or contraction.

Instructions for use:

- detailed information on technology of use of particular products are given in the technical data sheets available on <http://www.atlas.com.pl/en>

USE IN THE WINTERTIME:

ATLAS UNI-GRUNT/ AVAL KT 17	do not use
AVAL KT 55	do not use
ATLAS STOPTER K-20/ AVAL KT 85	can be used in winter conditions provided that the outdoor temperature during works is not lower than 0 °C and not lower than -5 °C within 8 hours since application
reinforcing mesh	use only in combination with ATLAS STOPTER K-20/AVAL KT 85
ATLAS CERPLAST/ AVAL KT 16	do not use
ATLAS ACRYLIC/ AVAL ACRYLIC RENDER or ATLAS ACRYLIC -SILICONE/ AVAL ACRYLIC-SILICONE RENDER, or ATLAS DEKO M/ AVAL KT 77	with ATLAS ESKIMO agent added, it is possible to use the paint in low temperature (not lower than 0°C) and high humidity (above 80%).

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.

Date of update: 2017.07.01

Option 5

Modern rendering system with silicone render, with additional reinforcement

Option V is a state-of-the-art technological and material solution, which consists of the most modern renders on the market: silicone and silicone-silicate (hybrid). It is recommended for buildings which have been already plastered, but need to be renovated and equipped with an attractive finish or enhanced in terms of façade appearance. Option V may be used also when rendering the old, weakened cracked or potentially vulnerable to cracking substrates. Application of the mesh reinforced layer provides an even and stable substrate required beneath the thin-coat render. Properties of silicone and silicone-silicate renders makes it a perfect solution for buildings located in industrial, rural and covered with forest zones – generally in all areas where the façade is vulnerable to significant biological contamination.

MOST IMPORTANT CHARACTERISTICS:

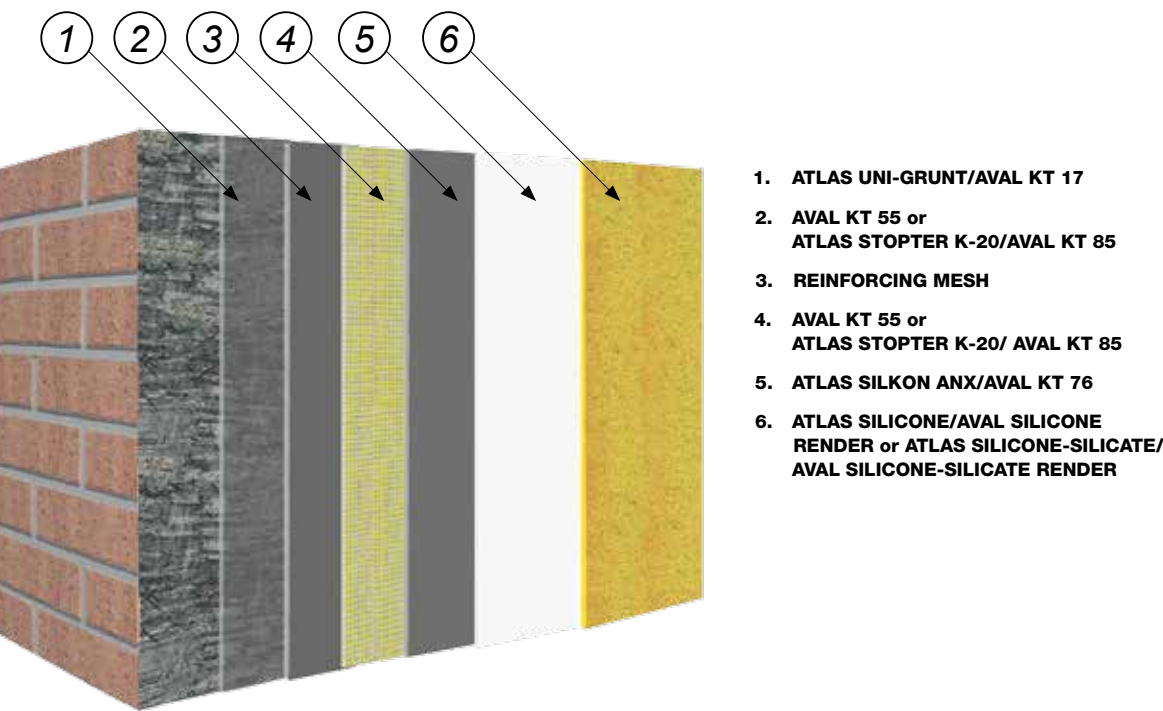
- excellent system durability – owing to the main coat of adhesive with reinforcing mesh embedded and very low absorption of the finishing coat
 - very high resistance to dirt – silicone renders included in this system form a surface of tight and not absorptive structure which repel contamination (dust, fumes, organic dirt)
 - high resistance against biological contamination
 - render ability for surface self-cleaning during rain
 - wide selection of renders coloured in the mass, various possibilities for the building final appearance
- Possible use – types of buildings:**

 - residential buildings
 - industrial buildings
 - farm and rural buildings
 - commercial, public access and service buildings

Possible use – buildings location:

 - urban and urbanised areas
 - farms and rural areas
 - wetlands, damp areas, areas in proximity to water reservoirs
 - areas in proximity to green zones and forests
 - enshadowed areas

SYSTEM ELEMENTS:



Substrate preparation	ATLAS UNI-GRUNT/AVAL KT 17 *)	fast-drying priming emulsion based on water dispersion of acrylics
Main coat	AVAL KT 55 or ATLAS STOPTER K-20/AVAL KT 85	cement adhesive mortars containing reinforcing fibres
	reinforcing mesh	mesh of glass fibre, protected against alkali, minimum density 155 g/cm ²
Top coat	ATLAS SILKON ANX/AVAL KT 76	priming mass for renders, improves the thin-coat render bonding to the substrate
	ATLAS SILICONE/AVAL SILICONE RENDER or ATLAS SILICONE-SILICATE/ AVAL SILICONE-SILICATE RENDER	thin-coat silicone or silicone-silicate render

*) emulsion required in case of walls made of cellular concrete or highly absorptive substrates

APPLICATION TECHNOLOGY

Types of substrates:

- plastered brick wall or wall made of small size bricks, ceramic or sand-lime hollow blocks, cellular concrete or concrete blocks which require renovation; may be used on old, weakened cracked (not-structurally) or potentially vulnerable to cracking substrates.

Requirements for the substrate:

- dry, stabilized, stable and sound, i.e. properly strong,
- plastered surface must be tapped with hammer to check whether the plaster has loosened from the structural part of the wall – a hollow sound during taping indicates that the given parts of render is loose and must be removed and filled with a repair coat made of cement leveling mortars
- cleaned from residues which may weaken the adhesion, especially from dust, dirt, lime, oils, grease, wax, anti-adhesion agents, paints and poorly bonded coatings
- primed (if there is a need to reduce substrate absorptiveness we recommend using ATLAS UNI-GRUNT/AVAL KT 17 emulsion) or moistened with water

Attention! In case of cracked surfaces an initial diagnosis is needed. It is with the aim to verify the cause of the cracking and to determine whether the façade works can be carried out on the given building. The appearance of the structural cracking resulting from scratches on the structural building elements, uneven settlement, deformation due to the change of operation purpose, etc. requires an individual design and professional and comprehensive repair. Option V can be used in case of thin, hair-like scratches and superficial cracking resulting from render wear or contraction.

Instructions for use:

- detailed information on technology of use of particular products are given in the technical data sheets available on <http://www.atlas.com.pl/en>

USE IN THE WINTERTIME:

ATLAS UNI-GRUNT/AVAL KT 17	do not use
AVAL KT 55	do not use
ATLAS STOPTER K-20 /AVAL KT 85	can be used in winter conditions provided that the outdoor temperature during works is less than 0 °C and not less than -5 °C after 8 hours from work finish
reinforcing mesh	use only in combination with ATLAS STOPTER K-20/AVAL KT 85
ATLAS SILKON ANX/AVAL KT 76	do not use
ATLAS SILICONE/AVAL SILICONE RENDER or ATLAS SILICONE-SILICATE/ AVAL SILICONE-SILICATE RENDER	with ATLAS ESKIMO agent added, it is possible to use the paint in low temperature (not lower than 0°C) and high humidity (above 80%).

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.

Date of update: 2017.07.01



GROUP OF PRODUCTS AVAILABLE
WITH ATLAS PROTECTIVE SYSTEMS,
BUT MOST OF ALL USED
FOR DECORATION
OF ANY FAÇADE

tools and support

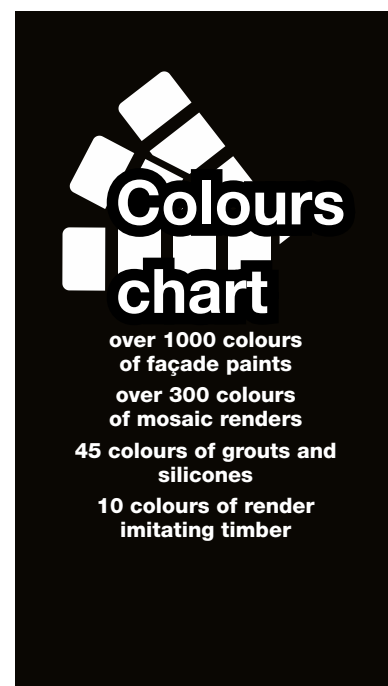
ATLAS belongs to the leading manufacturers of products for rendering. As one of the few it offers rendering systems allowing for free choice of the set of materials, i.e. various base coats, priming masses, renders and paints covered with the same technology. Each product is subject to numerous tests, executed both by our laboratories and ordered outside, led in the most demanding conditions which the product could face in the natural environment.

The development of ATLAS materials, from design until application, is supervised by specialists and professionals: in ATLAS R&D laboratories, validation departments, training units and quality control laboratories.

Our specialists, advisors, technical representatives are ready to support you and advice at any construction problems. Almost any information concerning the use of ATLAS products can also be found on our web site www.atlas.com.pl/en together with some helpful tools.

tools and support

ONLINE APPS



“COLOURS CHART” APP

Allows for selection of colours of façade renders and paints, mosaic renders, renders imitating timber as well as grouts and silicones. The charts enables choice and comparison of selected colours. It also informs about the diffused light reflection coefficient, which is helpful during façade works.



“CHECK CONSUMPTION” APP

Helps to calculate consumption of particular products and materials necessary for a given solution or system. Therefore the materials cost and coverage can be estimated.

English version of the app will be available shortly.

Detailed information on ATLAS products and solutions can also be given by our technical advisors and representatives listed on our web site www.atlas.com.pl/en.

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