ATLAS thermal insulation systems

EXTERNAL WALL INSULATION SYSTEMS GUIDEBOOK









ATLAS thermal insulation systems





- 11 foreword
- 33 thermal insulation sets
- 55 range of use of ATLAS products
- 61 ATLAS products description
- 73 technical data of ATLAS products
- 81 ATLAS thermal insulation systems
- 89 tools and support



ATLAS IS THE MOST TRUSTED BUILDING MATERIALS BRAND AND FIRST-CHOICE PICK OF POLISH CONSTRUCTORS AND INVESTORS.

ATLAS STANDS FOR QUALITY, TECHNOLOGY, SOCIAL ENGAGEMENT AND DESIGNS PRODUCTS WITH CARE FOR NATURAL ENVIRONMENT AND BEAUTY.

ATLAS OFFERS A WIDE RANGE OF PRODUCTS DESIGNED FOR PROTECTION AND DECORATION OF FAÇADES OF BUILDINGS.

TEXTURE AND WIDE COLOUR SCHEME PROVIDE VARIOUS OPTIONS TO: ARCHITECTS, DESIGNERS, INVESTORS OR CONTRACTORS LOOKING FOR NEW AND SMART SOLUTIONS.



foreword

- 12 introduction
- 14 methods of wall thermal insulation
- 16 why thermal insulation

introduction



The history of thermal insulation of buildings dates back to the first half of the 20th century. Dynamic progress of plastics processing, search for new materials, functionalities and technologies set the path for development of innovative solutions and applications. In the early 1950s a foamed polystyrene, commonly called a styrofoam, was manufactured for the first time. To this day it has been the most popular thermal insulation material used in the construction.

The increase of energy costs and the energetic crisis of the 1970s introduced the term of "energy efficiency of buildings" and the first regulations and law aimed to reduce the level of energy necessary for an object heating and power supply. Availability of new, easily accessible and easily applied materials resulted in greater requirements concerning the building partitions design. At the beginning of the 1980s, most guidelines focused on the problem of condensation of water vapour in a partition. Awareness of changing reality and the need to reduce the energy consumption entailed the new attitude and gradual rise of requirements on the thermal insulation.

The arrangements of 1997 Kyoto conference concerning the reduction of CO2 emission were important and impactful. It is assumed that 40% of energy consumed in Europe is used by the sector of residential and public access buildings. In order to draw attention to this problem an European



INCREASE IN REQUIREMENTS FOR R-VALUE OF BUILDING PARTITIONS (1974-2012)

directive on energy performance of buildings (EPBD – Energy Performance of Buildings Directive) was proclaimed. It aims to rationalize the consumption of energy needed for heating and cooling and for preparation of warm tap water. It introduced a classification of energy efficiency of buildings describing their thermic quality:



CLASSES OF BUILDINGS ACC. TO DEMAND ON ENERGY FOR HEATING (KWH/M²)

Currently each newly erected building must meet minimum requirements on thermal insulation of partitions, understood as the maximum allowed coefficient of thermal conductivity Umax. In practice, it is impossible to follow these requirements without the use of systems based on thermal insulation materials.

methods of wall thermal insulation



Since the mid-1980s all newly erected buildings in Poland have been insulated with so called "light – wet method". At first, the accessibility and quality of materials for thermal insulation fixing, base coat installation and top coat application were very poor. Very often the "decorative" finishing coat was made of simple cement scratch coat. Opening up to western markets and new technologies in 1990s supplemented by the free movement of goods brought the first systems based on cement mortars and thin-coat renders. These thermal insulation systems were called the Jointless Thermal Insulation. With the arrival of the European regulations on marketing of thermal insulation systems, they name changed into ETICS (External Thermal Insulation Composite Systems). In comparison to



THERMAL INSULATION SYSTEM - EXAMPLE:

- 1. WALL
- 2. ADHESIVE FOR THERMAL INSULATION FIXING
- 3. THERMAL INSULATION
- 4. MECHANICAL FIXINGS
- 5. ADHESIVE FOR BASE COAT
- 6. REINFORCING MESH
- 7. PRIMING MASS BENEATH THIN-COAT RENDER
- 8. THIN-COAT RENDER
- 9. FACADE PAINT PRIMER
- 10. FACADE PAINT ATLAS ETICS

other methods of thermal insulation of walls, e.g. light – dry technology (construction of a grate filled with thermal insulation on a structural wall) or three-layer walls, ETICS offers easy designing and application, free arrangement of a façade and a reduced cost of a project.

ETICS systems consist of layers and usually include an adhesive for thermal insulation fixing, a thermal insulation material (polystyrene, mineral wool, XPS, polyurethane boards), mechanical fixings, a base coat, i.e. an adhesive with a fiberglass mesh embedded, a priming mass and a rendering top coat. In some particular cases the arrangement of layers may differ. A system can be additionally painted, tiled with a ceramic cladding or be left without a base coat or a rendering coat – for example in the garage systems (thermal insulation of ceilings above non-heated areas, e.g. in car parks and underground passages).

Atlas had been gaining expertise in the thermal insulation of buildings for over 20 years. Cooperation with international organizations, associations, designers and contractors, combined with long-time experience and research and development actions, allow us to improve our products, their range of use and to keep their greatest quality and durability. Our current portfolio include thermal insulation systems based on various materials: EPS - systems ATLAS ETICS and ATLAS ETICS PLUS; mineral wool - AT-LAS ROKER; XPS - ATLAS XPS system. In combination with a wide range of adhesives for thermal insulation and base coats, dozens of decorative thin-coat renders and hundreds of colours of paints, they bring almost unlimited solutions for a façade design. Moreover, we also have a system with top coat made of ceramic tiles - ATLAS CE-RAMIC, a system for refurbishment of already insulated walls - ATLAS RENOTER and a garage system - ATLAS ROKER G.

why thermal insulation REDUCED OPERATIONAL COSTS



LOSS OF HEAT IN RESIDENTAIL BUILDINGS

functions and capabilities of etics

CREATION OF THERMAL PERFORMANCE OF NEW OBJECTS ACCORDING TO REQUIREMENTS AND ENERGY EFFICIENCY OF BUILDINGS

IMPROVEMENT OF THERMAL INSULATION, THUS REDUCTION OF COST NEEDED FOR HEATING AND COOLING OF REFURBISHED BUILDINGS

ELIMINATION OR REDUCTION OF THERMAL BRIDGING

IMPROVEMENT OF A FAÇADE AESTHETICS RESULTING FROM A WIDE RANGE OF STRUCTURES, TEXTURES, DECORATIVE EFFECTS AND COLOURS

PROTECTION OF A BUILDING STRUCTURE AGAINST ATMOSPHERIC FACTORS AND IMPROVEMENT OF OPERATIONAL DURABILITY

IMPROVEMENT OF INTERIOR THERMIC COMFORT

REDUCTION OF CO2 EMISSION, THUS REDUCTION OF DEMAND FOR ENERGY

Energy efficiency has become an inseparable element of our everyday lives. We check energy classes of household appliances, such as refrigerators, washers or television. Tungsten bulbs have been almost completely replaced with LED or tube lights. We agree to a change of habits (e.g. other shade of light, vacuum cleaners of reduced wattage) in order to cut down consumption of energy and to reduce the operational costs. Public service announcements and tv spots spread awareness and advise on the most effective use of electricity with respect to our expenses, energy resources and natural environment. It is important to emphasize the fact that these fields of our everyday life make for just a small piece of the total expenses on energy. According to Eurostat, 67% of energy consumed by households is used for heating. In order to get actual reduction of household cost, one should pay attention to effective heating system and ventilation, woodwork, roof insulation, and most of all to insulation of walls, where most of the heat transfers through. Depending on a building size and structure, the loss of energy through walls can reach 30%-40% of the total heat loss.

Taking into account the aspects mentioned above, the wall thermal insulation systems ETICS constitute the most important factor improving the thermal efficiency of newly erected and modernised objects. Thermal insulation of buildings ensures thermic comfort not only in winter time, but also during heat. A barrier protecting the partitions against overheating improves efficiency of air conditioning, thus reduces the cost of cooling.



CONSUMPTION OF ENERGY OF AN INDIVIDUAL BUILDING IN EUROPE (EUROSTAT, ENERDATA)



Correctly installed thermal insulation can significantly reduce the cost of heating and cooling which, depending on a building size and a type of heating system, can reach the level of a few thousands euro per year. It is estimated that the cost of investment pays back within 5 years.

Thermal insulation perfectly fits into the Trias Energetica model of sustainable building elaborated by the University of Technology in Delft. It assumes that a demand on energy should be first of all decreased by the reduction of loss. Then, if possible, one should choose renewables or use fossil fuel more effectively.

Easy technique of application, wide range of materials and solutions, relatively low cost of a project supported by significant operational savings make ETICS the most popular method of a façade thermal insulation.

REDUCTION OF THE COST OF HEATING BY **32%**

MULTI-FAMILY BUILDING, 4-STOREY HIGH, AREA 1,800 M²

Without thermal insulation Power demand coefficient With thermal insulation, EPS 15 cm

Power demand coefficient 49 W/m²

Annual cost of gas-fed heating – approx. 9,000 EUR

34 W/m²

Power demand coefficient

heating Annual cost of gas-fed heating - approx. 7,000 EUR

> REDUCTION OF THE COST OF HEATING BY **53%**

SINGLE-FAMILY BUILDING, AREA 128 M²

Power demand coefficient 114 W/m ²
Annual cost of goo fod booting

Without thermal insulation

approx. 1,800 EUR

With thermal insulation, EPS 15 cm

Power demand coefficient 58 W/m²

ng Annual cost of gas-fed heating – approx. 830 EUR

IMPACT OF ETICS METHOD ON THE COST OF HEATING OF SAMPLE BUILDINGS CONSTRUCTED IN TRADITIONAL TECHNOLOGY

why thermal insulation ETICS – ENVIRONMENTAL AND HEALTH PROTECTION



ETICS offers not only a reduced cost of living. Lower demand for heat, thus a reduced consumption of energy, translates into a reduction of emission of greenhouse gases, mostly of CO2, which fulfills the main target of the EPBD directive. In the European Union, the sector of residential housing accounts for a great share of the energy use. Therefore, appropriate changes in local regulations and stricter criteria of thermal efficiency of buildings have been introduced. Beside the directive, a so called 20-20-20 goals on energy and climate were accepted. This is a pack of regulations aiming to reduce the emission of greenhouse gases by 20% (in relation to the level of 1990), increase the energy efficiency by 20% and reach the 20% of energy, on the basis of consumption, coming from renewables. Despite a gradual improvement of thermal performance of buildings and decrease of greenhouse gases emission by 2% per year, these targets are far ahead and call for greater efforts and investments. ETICS accounts just for 3% of a new investment and brings the cheapest technology of the thermal insulation. Having regard to both economic calculation and assumed advantages, it is also the most effective method of reduction of the heat loss.

In Poland approx. 80% of energy is made of hard and brown coal, i.e. sources mostly responsible for the emission of CO2. It is assumed that the share of extracted minerals in relation to other resources (natural gas, renewables) will not change significantly in the following years. So, the most effective way to reduce the emission of carbon dioxide is to limit a demand on energy, which can be reached with the thermal insulation. According to the Ecofys report, an additional thermal insulation layer and a reduction of the thermal conductivity coefficient can reduce the annual emission of CO2 by even 30 kg/m². In case of a multi-family building of area of 1,000 m² it would give a reduction of 30 tonnes of carbon dioxide.

A growing problem related to the environment, mostly to the quality of air, is a threat of smog, which is an out the standard concentration of particulate matter of diameter of 2.5 μ m and 10 μ m. According to the report of the Polish Main Inspectorate of Environment Protection, the main sources of emission of ash (83%) are solid fuels burnt in households. Insufficient thermal insulation of buildings compels greater demand on fuel. Greater consumption of fuels often forces the users to look for cheaper alternatives in the form of poor quality materials. It results in greater incineration of cheap fuel which causes increased emission of ash.

Thermal insulation allows to reduce the consumption of fuels and, especially when combined with other thermal modernizations (e.g. exchange of boilers, use of better fuels), has direct impact on the improvement of quality of air and elimination of the smog phenomenon.



U VALUE AND REDUCTION OF CO2 EMISSION RESULTING FROM EXTER-NAL WALL INSULATION (DATA FOR POLAND)

why thermal insulation ETICS – HEAT AND COMFORT



According to an accepted concept of thermal comfort, not only the interior air temperature and humidity, but also the temperature of walls has an impact on our mood and perception of heat. Similar temperature in a room and inside the walls does not cause formation of convection currents followed by the feeling of discomfort.

The wall thermal insulation with the ETICS method improves their ability of heat accumulation. External layer of thermal insulation not only protects a wall against the temperature outside, but also block the heat within a partition. According to the rules of thermodynamics the flow of heat leads from the areas of higher temperature to the areas of lower temperature. In other words, in winter time the heat goes out and in the summer time it goes to the building. During winter the walls warm up to the temperature of an interior, a thermal insulation barrier prevents the heat from moving out and keeps it within the structure of walls. In the summer the situation is similar – the thermal insulation prevents the walls from overheating in sunlight. Appropriately installed thermal insulation ensures heat in the winter time and pleasant coolness in the summer.



GRAPH PRESENTING THE PERCEPTION OF THERMIC COMFORT DEPENDING ON THE TEMPERATURE OF INTERIOR WALLS SURFACE



THERMAL COMFORT KEPT IN THE SUMMER AND IN THE WINTER

why thermal insulation ETICS – DURABILITY AND PROTECTION



HYDROPHOBIC EFFECT ON A SURFACE COATED WITH ATLAS SALTA N PLUS SILICONE PAINT

Thermal insulation of a building influences also its so called operational durability, i.e. helps to keep its operational performance and functionality for a long time.

ETICS systems eliminate the possibility of water vapour condensation in the walls. The air always contains some water vapour which diffuses through walls. In extreme cases the process of liquefaction of moisture can occur in a partition, which forms favorable conditions for growth of fungi and mould. With no thermal insulation, a sudden temperature drop takes place in a wall material and – due to its low thermal resistance – puts it at risk of condensed moisture freezing. This action gradually destroys the building structure. Owing to the thermal insulation, the so called point 0 is moved – thermal insulation keeps the walls warm with temperature always above 0°C.

ETICS also brings protection against direct action of atmospheric factors. Appropriately selected system top coats – thin-coat renders and paints – form a barrier against precipitation. Owing to their parametres, the thermal insulation is protected against damp and growth of mould. Sometimes they are additionally hydrophobized and supported by active agents, thus façades do not get dirty nor infected by algae and keep aesthetics for long time.





WITH EXTERNAL THERMAL INSULATION

TEMPERATURE DISTRIBUTION IN A WALL WITH NO THERMAL INSULATION AND WITH A THERMAL INSULATION LAYER

why thermal insulation ETICS – SIMPLE AND SAFE



Simple application and low weight of a system allow its installation on almost any building. Thermal insulation puts little load on the bearing capacity, thus in most cases it doesn't have to be considered in the structural calculations, also during a building refurbishment. Its also has the merit of easy processing and application of details, such as corners, windows or doors.

ETICS offers a simple solution to problems related to continuity of thermal insulation on surfaces of foundations, walls and underground elements. It enables reduction of thermal bridging, both material and geometrical one (e.g. ring beams, lintels, pillars), and facilitates installation of the insulation on troublesome elements, e.g. balconies, loggias and terraces.

What is important, the system allows to counteract installation mistakes related to minor geometric deviations or to repair the existing thermal insulation.



why thermal insulation ETICS – DESIGN



ETICS also changes our surroundings. Diversity of textures, hundreds of colours and possible solutions bring almost unlimited options for a façade designer. Thermal insulation systems supplant dullness and uniformity from our settlements and streets. Owing to an easy technique of application and a diversified portfolio of compatible decorative effects, one can form cornices, pilasters, coves or rustications, impart lightness to a façade, emphasize some elements or even adjust and come back to various architectural styles. Finishing top coats can imitate natural stone, for example sandstone and granite, timber, brickwork or concrete. Owing to ETICS, a designer can feel free to form outstanding arrangements, impart uniqueness to façades and combine different techniques and decorative effects.





thermal insulation systems



DURABILITY

HYDROPHOBISATION IMPROVED IMPACT RESISTANCE SELF-CLEANING ABILITY BIOCIDE CAPSULES RESISTANCE TO UV

DESIGN

INSPIRATION

WIDE RANGE OF TEXTURES

PATTERNS

INTENSIVE COLOURS







EASY APPLICATION

ENERGY SAVING

CARE FOR ENVIRONMENT

USE IN VARIOUS WEATHER CONDITIONS



thermal insulation sets

Broad portfolio of products used with thermal insulation systems ATLAS ET-ICS, ATLAS ETICS PLUS and ATLAS ROKER enables creation of numerous technological solutions. However, sometimes complexity of technical aspects can hamper individual creation of packs of materials. In order to support you and save your time, we have prepared a group of recommended sets divided in terms of their particular performance and special designation. Each proposal answers personal expectations concerning operational durability, decorative effect or assumed conditions during application.

All ATLAS SETS and products listed below have been granted appropriate technical approvals, nevertheless our suggestions do not limit the possibility of creation of individualized solutions.

- 34 ATLAS premium set
- 36 ATLAS decorative set
- 38 ATLAS summer set
- 40 ATLAS winter set
- 42 ATLAS express set
- 44 ATLAS developer set
- 46 ATLAS general use developer set
- 48 **ATLAS economical dispersion set**
- 50 ATLAS economical mineral set
- 52 ATLAS diffusive set



ATLAS premium set

ATLAS PREMIUM SET has been built in order to create a thermal insulation system of optimum resistance against external factors, most of all against deformations resulting from repeated heating and cooling of a façade surface.

The base coat, made of cement-free dispersion adhesive mass ATLAS STOPTER K-100 combined with embedded reinforcing mesh, perfectly intercepts tensions and deformations, which a thermal insulation system is exposed to. The mass is more flexible than cement adhesives and ensures improved resistance to microcracking, mechanical damage and acts of vandalism. The use of this set, with combination of reinforcing meshes ATLAS 150 and armored 340 g/m² allows to reach impact resistance of even 140 J – which is in line with a hit of a ball kicked by a professional player – and resistance to hailstone of diameter of 5 cm and speed of over 100 km/h.

ATLAS SILICONE RENDER, manufactured on the basis of modern silicone resins, offers the greatest technical performance. It contains appropriately selected aggregate, which ensures structural tightness of coating, and special biocide capsules, which improve its resistance against fungi, algae and lichens growth. Great content of resins, both in the base coat adhesive and in the silicone rendering coat, allows to apply much darker and more intensive colours of façade renders (of HBW* coefficient < 20%). Thus, their use does not have to be restricted to limited surfaces only.

Our colour scheme lists 80 new intensive shades, which can be used on vast surfaces of façades. Thus, the scope of choice of a façade colour is almost unlimited. The surface formed with ATLAS PREMIUM SET ensures long term durability and aesthetics. HIGH IMPACT RESISTANCE

INTENSIVE COLOURS

SELF-CLEANING ABILITY

- Adhesive for thermal insulation: ATLAS HOTER S
- Thermal insulation: EPS
- Adhesive for base coat: ATLAS STOPTER K-100
- Mesh ATLAS 150 in order to reach improved impact resistance of 140 J the combination of meshes ATLAS 150 and armored mesh 340 should be used
- ATLAS SILICONE RENDER
- Optional: silicone paint ATLAS SALTA N

^{*}this set allows to use shades of HBW – diffuse reflection coefficient – below 20%. In practice, it means colours which absorb plenty of solar energy, thus cause very strong heating of a painted surface.


ATLAS decorative set

ATLAS DECORATIVE SET includes products addressed to people appreciating design and looking for original solutions. Nowadays, a façade means more than protection against adverse atmospheric conditions. It is a reflection of inhabitants' and designers sense of style. Our renders are excellent solution for exteriors of traditional and modern buildings.

Decorative effects imitate natural timber, sandstone and stone, modern architectural concrete and metal. Additionally, the widest portfolio of mosaic renders allows to meet requirements of investors and designers concerning the colours and textures of top coats.

The renders can also be applied with the use of templates imitating brick, shuttered stone or cyclopean masonry walls.

ATLAS decorations provide outstanding combination of quality and style.

- Adhesive for thermal insulation: ATLAS HOTER S
- Thermal insulation: EPS
- Adhesive for base coat: ATLAS HOTER U
- Mesh ATLAS 150
- Decorative top coat:
 - Mineral render of timber texture ATLAS CERMIT WN + ATLAS BEJCA
 - Mineral render of architectural concrete texture ATLAS CERMIT BA-M
 - ATLAS METALLIC VARNISH
 - Acrylic render imitating structure of stone or brick ATLAS CERMIT N-100
 - Mosaic render ATLAS DEKO M
 - effect of fine-aggregate or standard mosaic
 - effect of stone
 - effect of sandstone

DESIGN

WIDE RANGE OF TEXTURES

FREE ARRANGEMENT OF COMPOSITIONS



ATLAS summer set



ATLAS SUMMER SET is a group of products selected for application at, commonly considered unfavorable, hot weather conditions. High temperature causes rapid drying of mortars and renders, thus worsen their application and technical parameters. The set includes gel adhesive mortar ATLAS HOTER U2-B and additive for renders ATLAS HOTER DL, which enable application at temperature up to +35°C. ATLAS SUMMER SET is an excellent solution during heat, it brings safety and possibility of continuation of a project.

FOR USE AT EVEN +35°C

EASY APPLICATION

RESISTANT TO UV RADIATION

- Adhesive for thermal insulation: ATLAS HOTER S
- Thermal insulation: EPS
- Adhesive for base coat: ATLAS HOTER U2/ ATLAS HOTER U2-B
- Mesh ATLAS 165/ ATLAS 150
- Priming mass: ATLAS SILKON ANX
- ATLAS SILICONE RENDER + summer additive for dispersion renders ATLAS HOTER DL
- Optional: silicone paint ATLAS SALTA N



ATLAS winter set

ATLAS WINTER SET is a mix of products designed for application at, commonly considered unfavorable, harsh autumn and winter conditions. Low temperature and high air humidity significantly extend the time of products setting, thus negatively influence pace and safety of installation.

Products used in the set – adhesive mortar AT-LAS STOPTER K-20 and additive for renders ATLAS ESKIMO eliminate breaks in application at temperature of 0°C and high air humidity.

- Adhesive for thermal insulation: ATLAS STOPTER K-20

- Thermal insulation: EPS
- Adhesive for base coat: ATLAS STOPTER K-20
- Mesh ATLAS 150
- Priming mass: ATLAS SILKON ANX
- ATLAS SILICONE RENDER + winter additive for d ispersion renders ATLAS ESKIMO

FOR USE AT EVEN 0°C

EASY APPLICATION

RESISTANT TO PROLONGED PRECIPITATION



ATLAS express set



ATLAS EXPRESS SET is addressed to users appreciating rapid system application. It includes white gel adhesive ATLAS HOTER U2-B which does not require a priming mass beneath the rendering coat, thus its application is quicker and the cost lower. It enables installation at temperature of even +35°C.

ATLAS EXPRESS SET gives fewer phases of installation, as it does not need to use a priming mass. Therefore, it reduces the period of time required for the system application and scaffolding rental, and limits the costs of labor. Additionally, both the adhesive ATLAS HOTER U2-B and the dispersion renders can be applied mechanically with recommended spray units. NO PRIMING MASS REQUIRED

EXCELLENT WORKABILITY

RESISTANT TO MOISTURE

- Adhesive for thermal insulation: ATLAS HOTER S
- Thermal insulation: EPS
- Adhesive for base coat: ATLAS HOTER U2-B
- Mesh ATLAS 150
- ATLAS SILICONE RENDER













ATLAS developer set

ATLAS DEVELOPER SET is particularly resistant to atmospheric factors, UV radiation or growth of algae and mould which negatively affects facades. This solution guarantees final visual effect and durability. All system components are easy to use and can be applied with spraying units, which makes the ATLAS DEVELOPER SET an ideal choice for large scale projects. The set ensures low consumption, quick pace of work, safety of use and competitive price.

EXCELLENT FOR LARGE SCALE PROJECTS

QUICK APPLICATION

RESISTANT TO GROWTH OF ALGAE

- Adhesive for thermal insulation: ATLAS HOTER S
- Thermal insulation: EPS
- Adhesive for base coat: ATLAS HOTER U
- Mesh ATLAS 150
- Priming mass ATLAS CERPLAST
- ATLAS SILICONE RENDER



ATLAS general use developer set

ATLAS GENERAL USE DEVELOPER SET is dedicated to cases, when a single project requires the use of two types of thermal insulation – mineral wool and EPS polystyrene (e.g. newly erected buildings of significant height).

The system made of products included in this set offers simplification of technology of installation, as it's based on one, general use adhesive mortar ATLAS STOPTER K-50. Its main advantage is the possibility of boards fixing and base coat installation with the use of thermal insulation made of both mineral wool and polystyrene. The materials are characterised not only by excellent workability and quality, but they also allow to omit one phase of system application – they do not require a priming mass beneath the rendering coat, which significantly reduces the time of a project execution.

WITH MINERAL WOOL AND POLYSTYRENE

NO PRIMING MASS REQUIRED

RESISTANT TO ATMOSPHERIC CONDITIONS

- Adhesive for thermal insulation: ATLAS STOPTER K-50
- Thermal insulation: EPS and mineral wool
- Adhesive for base coat: ATLAS STOPTER K-50
- Mesh ATLAS 150
- Recommended ATLAS SILICONE-SILICATE RENDER



ATLAS economical dispersion set

ATLAS ECONOMICAL DISPERSION SET is an optimum solution with regard to costs, time and comfort of application. Acrylic render can be dyed in one of 400 colours of ATLAS SAH colour scheme. It keeps great flexibility, strength and excellent workability. The set is characterised by convenient use, low costs and good products quality.

- Adhesive for thermal insulation: ATLAS GRAWIS S
- Thermal insulation: EPS
- Adhesive for base coat: ATLAS GRAWIS U
- Mesh ATLAS 150
- Priming mass ATLAS CERPLAST
- ATLAS ACRYLIC RENDER

COMPETITIVE PRICE

EXCELLENT WORKABILITY

HIGH FLEXIBILITY AND STRENGTH



ATLAS economical mineral set

ATLAS ECONOMICAL MINERAL SET is a perfect choice for those, who look for cost-cutting solutions. It includes an adhesive of excellent workability and a durable mineral render based on a dolomite aggregate – ATLAS CERMIT ND. It is finished off with silicone paint ATLAS SALTA available in 400 SAH colours. It ensures resistance to growth of algae or mould and to atmospheric conditions. It's an affordable set of high quality products and excellent operational performance.

COMPETITIVE PRICE

EASY APPLICATION

RESISTANT TO GROWTH OF FUNGI AND ALGAE

- Adhesive for thermal insulation: ATLAS GRAWIS S
- Thermal insulation: EPS
- Adhesive for base coat: ATLAS GRAWIS U
- Mesh ATLAS 150
- Priming mass ATLAS CERPLAST
- Mineral render ATLAS CERMIT ND
- Silicone paint ATLAS SALTA



ATLAS diffusive set

ATLAS DIFFUSIVE SET includes products ensuring the greatest water vapour permeability of walls. It's one of the most important properties deciding about the comfort of a building use. Water vapour can freely diffuse through a partition, thus its excess is removed from an interior with no risk of condensation in external walls. It's a set providing safety to a building structure with simultaneous optimum microclimate of interiors. The set is based on mineral wool thermal insulation which is additionally characterised by inflammability and acoustic performance. It also includes highly alkaline renders (mineral or silicate) and silicate paint ATLAS SALTA S, which are naturally resistant to growth of fungi and algae.

HIGH WATER VAPOUR PERMEABILITY

COMFORT AND SAFETY

RESISTANT TO GROWTH OF FUNGI AND ALGAE

- Adhesive for thermal insulation: ATLAS ROKER W
- Thermal insulation: mineral wool
- Adhesive for base coat: ATLAS ROKER U
- Mesh ATLAS 150
- Priming mass ATLAS SILKAT ASX/ ATLAS CERPLAST
- Silicate render TYNK SILIKATOWY ATLAS
- or
- Mineral render ATLAS CERMIT ND (for further coating with silicate paint)
- Silicate paint ATLAS SALTA S



ATLAS PRODUCTS **range of use**

Composite thermal insulation systems ATLAS ETICS, ATLAS ETICS PLUS and ATLAS ROKER present comprehensive solutions guaranteeing easy application, reliability, aesthetics and reduced costs of buildings operational use. Their crucial part consists of ATLAS thin-coat renders and façade paints, which not only bring wide choice of colours, textures and decorative effects, but most of all essentially decide about the long term system durability. They form a barrier resistant to action of harmful external factors, such as: temperature, UV radiation, precipitation, dustiness, mould and lichen. Basing on our researches and long-time experience, we recommend the best product choice for your needs, with attention to the type of thermal insulation, the type and location of an object, the substrate type.

- 56 façade renders
- 58 façade paints

façade renders

	DISPERSIVE RENDERS									
	CLASSIC						DECORATIVE			
Render type	SILIC	CONE	ACRYLIC- SILICONE	SILICONE- SILICATE	SILICATE	ACRYLIC	MOSAIC			
		•	*	•	*		BEKB			
Commercial name	ATLAS SILICONE RENDER	ATLAS IN SILICONE RENDER	ATLAS ACRYLIC- SILICONE BENDER	ATLAS SILICONE- SILICATE BENDER	ATLAS SILICATE RENDER	ATLAS ACRYLIC RENDER	ATLAS DEKO M TM0 TM1 TM3 TM5 TM6			
TYPE OF THERMAL INSULATION										
EPS boards	+	+	+	+	+	+	+			
Mineral wool	+	-	-	+	+	-	-			
OBJECT TYPE										
Residential housing	****	****	****	****	***	****	****			
Public access and commercial	****	***	***	***	***	***	****			
Industrial	****	**	***	****	**	**	****			
Outbuildings	****	***	***	****	****	**	*			
Infrastructure	****	***	****	****	**	****	****			
Heritage	***	-	-	**	****	-	-			
Indoors	+	+	+	+	+	+	+			
				LOCATION						
City, urban and industrial areas	****	****	****	***	***	***	****			
Rural and agricultural areas	****	****	***	***	***	*	****			
Damp areas, close to water tanks	****	****	***	***	****	*	***			
Forests	****	****	***	***	****	*	***			
USE WITH THERMAL INSULATION SYSTEMS										
ATLAS ETICS	+	+	+	+	+	+	+			
ATLAS ETICS PLUS	+	+	-	+	+	+	-			
ATLAS ROKER G	+	-	-	+	+	-	-			
ATLAS ROKER	+	-	-	+	+	-	-			
ATLAS RENOTER	+	+	+	+	+	+	-			

	MINERAL RENDERS									
		CLASSIC	DECORATIVE							
FOR TEMPLATES	MINERAL									
*										
ATLAS CERMIT N-100	ATLAS CERMIT ND/ CERMIT ND FOR FURTHER PAINTING	ATLAS CERMIT SN/ DR/ SN-MAL	ATLAS CERMIT MN	ATLAS CERMIT BA-M	ATLAS CERMIT WN	ATLAS CERMIT PS				
TYPE OF THERMAL INSULATION										
+	+	+	+	+	+	+				
-	+	+	+	+	+	+				
OBJECT TYPE										
*****	***	**	****	*****	****	****				
*****	***	**	***	****	****	****				
*****	***	*	**	*	*	*				
****	****	***	**	*	*	*				
*	**	**	**	***	*	*				
**	****	***	***	-	-	****				
+	-	-	-	+	+	-				
		LOCATION								
****	***	**	**	****	****	***				
****	***	**	**	**	****	***				
***	****	***	***	***	****	****				
***	****	****	**	****	****	****				
USE WITH THERMAL INSULATION SYSTEMS										
+	+	+	+	+	+	+				
-	+	-	-	-	-	-				
-	+	+	+	-	+	+				
-	+	+	+	+	+	+				
-	+	+	+	+	+	+				

the best possible solution
 limited use











Paint type		SILICONE PAINTS		SILICATE PAINT	ACRYLIC PAINT	METALLIC VARNISH			
Commercial name	ATLAS SALTA N PLUS	TLAS SALTA N PLUS ATLAS SALTA N		ATLAS SALTA S	ATLAS SALTA E	ATLAS METALLIC VARNISH			
TYPE OF THERMAL INSULATION									
EPS boards	+	+	+	+	+	+			
Mineral wool	+	+	+	+	-	-			
USE									
Thin-coat mineral renders	****	****	****	****	***	****			
Thin-coat silicate renders	***	***	**	****	*	*			
Thin-coat silicone renders	*****	****	****	-	**	***			
Thin-coat silicone-silicate renders	*****	****	****	-	**	***			
Lime and renovation plasters	***	***	**	****	-	-			
Thin-coat acrylic renders	****	****	****	-	****	****			
Thin-coat acrylic-silicone renders	****	****	****	-	****	****			
Cement, cement-lime plasters	****	****	****	****	**	**			
Concrete substrates	*****	*****	****	****	**	**			
Rough walls (concrete, bricks, hollow blocks)	****	****	****	****	***	**			
Silicate paint coatings	***	***	**	****	*	-			
Silicone paint coatings	*****	****	****	-	***	***			
Acrylic paint coatings	*****	*****	****	-	****	****			
Indoor use	+	-	-	+	+	+			
		OBJECT T	YPE						
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 THERMAL INSULATION SYSTEMS									
ATLAS ETICS		+	+	+	+				
ATLAS ETICS PLUS		+	+	+					
ATLAS ROKER G		+	+	+					
ATLAS ROKER		+	+	+					
ATLAS RENOTER		+	+	+	+				



ATLAS products description

- 62 façade renders
- 65 priming masses beneath façade renders
- 66 façade paints
- 68 adhesive mortars
- 70 modifiers and accessories

façade renders THIN-COAT DISPERSION RENDERS



ATLAS SILICONE RENDER thin-coat dispersion render

PARTICULAR PROPERTIES:

- greatly hydrophobic, self-cleaning, water vapour permeable
- highly flexible, reinforced with various types of fibres
- greatly resistant to operational and thermal loads
- highly resistant to UV radiation and action of atmospheric factors
- available in dark, intensive colours of superb durability
- highly resistant to growth of microorganisms



ATLAS IN SILICONE RENDER

thin-coat dispersion render

PARTICULAR PROPERTIES:

- hydrophobic, self-cleaning, water vapour permeable
- reinforced with fibres
- flexible, resistant to operational and thermal loads
- resistant to UV radiation and action of atmospheric factors
- excellent colour durability, wide range of colours



ATLAS SILICATE RENDER

thin-coat dispersion render

PARTICULAR PROPERTIES:

- ensures long time durability and façades protection
- highly alkaline and naturally resistant to fungi, algae and lichen
- excellent vapour permeability (both for water vapour and carbon dioxide)
- inflammable when applied with mineral wool



ATLAS SILICONE-SILICATE RENDER

thin-coat dispersion render

PARTICULAR PROPERTIES:

- greatly hydrophobic
- highly water vapour permeable
- greatly resistant to UV radiation
- and action of atmospheric factorsensures stability of shades during
- whole period of a façade operation
 greatly resistant to growth of mi-
- greatly resistant to growth of m croorganisms



ATLAS ACRYLIC-SILICONE RENDER

thin-coat dispersion render

PARTICULAR PROPERTIES:

- hydrophobic
- highly flexible
- resistant to UV radiation and action of atmospheric factors
- improved resistance to mechanical damage



ATLAS ACRYLIC RENDER

thin-coat dispersion render

- low absorptiveness
- highly flexible
- resistant to soiling
- improved resistance to mechanical damage

façade renders THIN-COAT DISPERSION RENDERS



ATLAS DEKO M mosaic render

PARTICULAR PROPERTIES:

- greatly resistant to mechanical damage
- highly resistant to washing and abrasion
- forms unique colour compositions



ATLAS CERMIT N-100 acrylic render for use with templates

- perfectly imitates brick or stone alignment
- highly flexible
- resistant to soiling
- resistant to mechanical damage



façade renders THIN-COAT MINERAL RENDERS



ATLAS CERMIT SN/ SN-MAL / DR thin-coat mineral render

PARTICULAR PROPERTIES:

- durable and resistant to microcracking
- resistance improved with polymers
- great vapour permeability
- resistant to biological corrosion



ATLAS CERMIT ND WHITE/ ND FOR FURTHER PAINTING

thin-coat mineral render

PARTICULAR PROPERTIES:

- based on dolomite aggregate
- uniform and repeatable texture
- excellent workability
- vapour permeable
- two shade options: white and for further painting



ATLAS CERMIT BA-M render of texture of architectural concrete

PARTICULAR PROPERTIES:

- perfectly imitates surface of architectural concrete
- modern decorative effect
- possible formation of various textures
- hydrophobic
- resistant to biological corrosion



ATLAS CERMIT WN

render of texture of timber

PARTICULAR PROPERTIES:

- perfectly imitates surface of timberdurable and resistant to microc-
- racking
- greatly hydrophobic
- resistant to biological corrosion
- highly vapour permeable



ATLAS CERMIT MN

sprayed mineral render

- spray applied
- shortened time of application
- spotted texture
- high yield

priming masses beneath façade renders



ATLAS SILKON ANX priming mass beneath silicone and silicone-silicate renders

PARTICULAR PROPERTIES:

- ensures excellent render bonding
- reduces absorptiveness and strengthens substrates
- facilitates render application and texturing



ATLAS SILKAT ASX priming mass beneath silicate renders

PARTICULAR PROPERTIES:

- ensures excellent render bonding
- reduces absorptiveness and
- strengthens substrates – facilitates render application and
 - texturing



ATLAS CERPLAST priming mass beneath renders

- ensures excellent render bonding
- reduces absorptiveness and strengthens substrates
- facilitates render application and texturing

façade paints



ATLAS SALTA N PLUS silicone paint

PARTICULAR PROPERTIES:

- excellent self-cleaning ability
- outstanding low absorptiveness
- long time durability and façade protection
- coats microcracks and stress cracks



ATLAS SALTA N silicone paint

PARTICULAR PROPERTIES:

- ensures long time façade durability and protection
- with self-cleaning ability
- coats microcracks and stress cracks
- greatly resistant to algae and lichen
- very low absorptiveness
- excellent vapour permeability



ATLAS SALTA modified silicone paint

PARTICULAR PROPERTIES:

- outstanding colours durability
- well coating
- highly resistant to soiling
- low absorptiveness



ATLAS SALTA S silicate paint

PARTICULAR PROPERTIES:

- highly alkaline, permanently resistant to fungi, algae and lichen
- excellent vapour permeability
- ensures long time façade durability and protection
- can be applied upon freshly applied mineral renders



ATLAS SALTA E acrylic paint

- exceptional colour durability
- well coating, efficient
- highly resistant to growth of algae
- self-cleaning ability





ATLAS BEJCA impregnating sealer for renders imitating timber

PARTICULAR PROPERTIES:

- greatly resistant to atmospheric factors
- resistant to soiling
 outstanding coating elasticity
 colours durability
- white range of shades imitating natural timber



ATLAS METALLIC VARNISH

- outstanding façade decorative effect
- resistant to atmospheric conditions
- outstanding coating elasticitynoble and modern façade
- appearance

adhesive mortars



ATLAS STOPTER K-100 dispersion adhesive

PARTICULAR PROPERTIES:

- does not require priming masses beneath renders, white colour
- for application of new façades of high impact resistance or renovation of old façades
- highly flexible, bridges cracks
- exclusively resistant to thermal and mechanical loads
- reinforced with microfibres of various type and length



ATLAS STOPTER K-50 white, general use adhesive mortar

for thermal insulation

PARTICULAR PROPERTIES:

- does not require priming masses beneath renders, white colour
- can be used with mineral wool and polystyrene
- for boards fixing and base coat application
- also with graphite polystyrene
- very good workability



ATLAS STOPTER K-20 adhesive mortar for polystyrene or XPS and for mesh embedding

PARTICULAR PROPERTIES:

- very high bonding
- reinforced with microfibres
- resistant to cracks and scores
- for use at low temperature (even down to 0°C)
- also with graphite polystyrene



ATLAS GRAWIS U

adhesive mortar for polystyrene or XPS and for mesh embedding

PARTICULAR PROPERTIES:

- high bonding to substrate
- very good workability
- also with graphite polystyrene



ATLAS GRAWIS S

adhesive mortar for polystyrene

- high bonding to substrate
- very good workability
- also with graphite-enhanced polystyrene





ATLAS HOTER U2 gel adhesive mortar for polystyrene and for mesh embedding

PARTICULAR PROPERTIES:

- use at high temperature (even up to +35°C)
- very high bonding





ATLAS HOTER U2-B

gel, white, primer-free adhesive mortar for polystyrene and for mesh embedding

PARTICULAR PROPERTIES:

- does not require priming masses beneath renders
- use at high temperature (even up to +35°C)
- very high bonding
- for thermal insulation fixing and for mesh embedding



ATLAS HOTER U

adhesive mortar for polystyrene or XPS and for mesh embedding

- PARTICULAR PROPERTIES:
- high bonding
- resistance improved by microfibres
- resistant to cracking and scores
- also with graphite polystyrene



ATLAS HOTER S

adhesive mortar for polystyrene and XPS

PARTICULAR PROPERTIES:

- improved bonding
- rapid growth of strength
- good vapour permeability



ATLAS ROKER U

adhesive mortar for mineral wool and for mesh embedding

PARTICULAR PROPERTIES:

- very high bonding to difficult substrates
- very good workability
- vapour permeable
- reinforced with fibres
- improved resistance to cracking and scores



ATLAS ROKER W

adhesive mortar for mineral wool

- very high bonding to substrates
- very good workability
- vapour permeable

modifiers and accessories



ATLAS ANTI-ADHESION AGENT for silicone molds

PARTICULAR PROPERTIES:

- easy and safe in use
- colourless
- does not stain surface of a render



ATLAS ESKIMO accelerator of setting of renders and paints

PARTICULAR PROPERTIES:

- accelerates the process of top coat setting
- ensures quick resistance to rain
- easy in use
- neutral to other properties of materials



ATLAS HOTER DL summer additive for dispersion renders extending their open time

PARTICULAR PROPERTIES:

- enables application of dispersion renders at temperature up to +35°C
- easy in use
- does not influence strength of renders
- neutral to other properties of materials



ATLAS 150 fiberglass mesh



ATLAS 165 fiberglass mesh

SILCONE MOLD

forming texture of timber, to be used with ATLAS CERMIT WN thin-coat render

PVC FINISHING PROFILES

MECHANICAL FIXINGS



CARDBOARD TEMPLATE imitating shape of irregular stone,

slate stone or brick


ATLAS PRODUCTS **technical** data

- 74 adhesive mortars
- 76 façade renders
- 78 façade paints
- 79 primers beneath façade renders

adhesive mortars

PRODUCT









Commercial Name	ATLAS STOPTER K-100	ATLAS STOPTER K-50	ATLAS STOPTER K-20	ATLAS HOTER U2	ATLAS HOTER U2-B
REFERENCE DOCUMENT	ITB KOT-2018/0584 ed. 1	AT-15-9090/2016 AT-15-9090/)18/0584 ed. 1 AT-15-2930/2016 AT-15-8477/ AT-15-8477/2016 ITB K0T-2018/0		ITB KOT-201	8/0584 ed. 1
TECHNICAL DATA					

Mixing ratio water/dry mix [l/25 kg]	n/a	5.0-5.5	5.0-5.5	7.5-8.0	7.5-8.0
Pot life [h]	n/a	4	4	4	4
Open time [min]	25	25	25	30	30
Bonding to polystyrene [MPa]	≥ 0.08	≥ 0.1*	≥ 0.08	≥ 0.08	≥ 0.08
Bonding to mineral wool [MPa]	n/a	≥ 0.08	n/a	n/a	n/a
Bonding to concrete [MPa]	≥ 0.25	≥ 0.25	≥ 0.25	≥ 0.25	≥ 0.25
Consumption [kg/m²] – boards fixing	n/a	polystyrene 4.0-5.0 mineral wool 4.5-5.5	4.0-5.0	4.0-5.0	4.0-5.0
Consumption [kg/m²] – base coat	3.5-4.0	polystyrene 3.0-3.5 mineral wool 5.5-6.5	3.0-3.5	3.0-4.0	3.0-4.0
Temperature of application [°C]	5-30	5-30	0-25	10-35	10-35
Colour of base coat	white	white	grey	grey	white
Priming mass beneath rendering coat	not required	not required	required	required	not required
			USE IN THERMAL INSU	LATION SYSTEM	
Boards fixing	-	+	+	+	+
Boards fixing and base coat	only base coat	+	+	+	+
			TYPE OF THERMAL	INSULATION	
EPS	+	+	+	+	+
mineral wool		+			
			USE WITH EXTERNAL WALL 1	THERMAL INSULATION	
ATLAS ETICS		+	+		
ATLAS ETICS PLUS	+			+	+
ATLAS ROKER ETICS		+			
ATLAS ROKER ETICS ATLAS RENOTER ETICS		+ +	+		
ATLAS ROKER ETICS ATLAS RENOTER ETICS ATLAS CERAMIK ETICS		+ +	+ +		

ATLAS HOTER U	ATLAS HOTER S	ATLAS GRAWIS U	ATLAS GRAWIS S	ATLAS Roker W	ATLAS ROKER U
AT-15-9090/2016 AT-15-8477/2016 ITB KOT-2018/0385 ed. 1	AT-15-9090/2016 AT-15-8477/2016 AT-15-9784/2016 ITB KOT-2018/0385 ed. 1	AT-15-9090/2016	AT-15-9090/2016 ITB KOT-2018/0385 ed. 1	AT-15-29 ITB KOT-201	030/2016 8/0583 ed. 1
		TECHNIC	Cal data		
5.0-5.5	5.0-5.5	5.75-6.25	5.5-6.0	5.0-5.5	5.0-5.5
4	3	4	4	4	4
25	25	25	25	25	25
≥ 0.08	≥ 0.08	≥ 0.08	≥ 0.08	n/a	n/a
n/a	n/a	n/a	n/a	≥ 0.08	≥ 0.08
≥ 0.25	≥ 0.25	≥ 0.25	≥ 0.25	≥ 0.25	≥ 0.25
4.0-5.0	4.0-5.0	4.0-5.0	4.0-5.0	4.5-5.5	4.5-5.5
3.0-3.5	n/a	3.0-3.5	n/a	n/a	5.5-6.5
5-25	5-25	5-25	5-25	5-25	5-25
grey/white	n/a	grey	n/a	n/a	grey
required	n/a	required	n/a	n/a	required
		USE IN THERMAL IN	NSULATION SYSTEM		
+	+	+	+	+	+
+		+			+
TYPE OF THERMAL INSULATION					
+	+	+	+		
				+	+
	1	USE WITH EXTERNAL WA	LL THERMAL INSULATION		1
+	+	+	+		
	+		+		
				+	+
+	+				
+	+		+		
				+	+

*to polystyrene of TR 100

façade renders

	DISPERSIVE RENDERS					
	CLASSIC					
Render type	S	ILICONE	ACRYLIC-SILICONE	SILICONE-SILICATE	SILICATE	ACRYLIC
PRODUCT	•			•		
Commercial name	ATLAS IN SILICONE RENDER	ATLAS SILICONE RENDER	ATLAS ACRYLIC- SILICONE RENDER	ATLAS SILICONE- Silicate Render	ATLAS SILICATE Render	ATLAS ACRYLIC Render
Reference document	AT-15-9090/2016, AT-15-2930/2016, AT-15-8477/2016, ITB-K0T-2018/0584 ed.1 PN 15824:2017	AT-15-9090/2016, AT-15-2930/2016, AT-15-9784/2016, AT-15-8477/2016, ITB-KOT-2018/0583 ed.1 PN 15824:2017	AT-15-9090/2016, AT-15-9784/2016 PN 15824:2017	AT-15-905 AT-15-293 AT-15-976 AT-15-847 ITB-KOT-2018 PN 1582	0/2016, 30/2016, 34/2016, 77/2016, 3/0583 ed.1 4:2017	AT-15- 9090/2016, AT-15- 9784/2016 PN 15824:2017
		OPERA	tional data			
Binder	styrene-acrylic and silicone resin	styrene-acrylic and silicone resin with addition of siloxanes	styrene-acrylic and silicone resin	styrene-acrylic resin; silicone resin; potas- sium silicate	styrene-acrylic resin; potassium silicate	styrene-acrylic resin
Priming mass	ATLAS SILKON ANX ATLAS CERPLAST	ATLAS SILKON ANX	ATLAS CERPLAST	ATLAS SILKON ANX	ATLAS SILKAT ASX	ATLAS CERPLAST
Texture	spotted	spotted	spotted	spotted	spotted	spotted
Colour range	400	400 + 80 intensive shades	400	400	264	400
Max. aggregate size [mm]	1.5/N-15	1.5/N-15 2.0/N-20	1.5/N-15	1.5/N-15 2.0/N-20	1.5/N-15	1.5/N-15
Consumption [kg/m ²]	2.5/N-15	2.5/N-15 3.0/N-20	2.5/N-15	2.5/N-15 3.0/N-20	2.5/N-15	2.5/N-15
Pot life					n/a	
		APP	LICATION	ſ	-	1
Manual	+	+	+	+	+	+
Machine	+	+	+	+	+	+
		TECH	NICAL DATA			
Water vapour diffusion resistance coefficient µ	n/a	n/a	n/a	n/a	n/a	n/a
Water vapour permeability coefficient V [g/m²24h]	medium $15 < V_2 \le 150$	medium $15 < V_2 \le 150$	medium $15 < V_2 \le 150$	large V1 > 150	large $V_1 > 150$	medium $15 < V_2 \le 150$
Water permeability W [kg/m²hº. ⁵]	$\begin{array}{c} \text{medium} \\ \text{0.1} < \text{W}_{_2} < 0.5 \end{array}$	$\begin{matrix} \text{low} \\ \text{W}_2 < 0.1 \end{matrix}$	medium $0.1 < W_2 < 0.5$	medium $0.1 < W_2 < 0.5$	medium $0.1 < W_2 < 0.5$	$\begin{array}{c} \text{medium} \\ 0.1 < \text{W}_{_2} < 0.5 \end{array}$
S _d [m]	0.14 - 1.4	0.14 - 1.4	0.14 - 1.4	< 0.14	< 0.14	0.14 - 1.4
Resistance to biological corrosion	+	+	+	+	+	+
improved impact resistance	up to 120 J (mix of meshes 150 + 340)	up to 140 J (mix of meshes 150 + 340)		up to 120 J (mix of meshes 150 + 340)		
рН	8	8	8	9	9.5	8

DISPERSIVE RENDERS						MINERAL RENDERS					
		D	ECORATIVI	E			CLASSIC			DECORATIVE	
		MOSAIC			FOR TEMPLATES			MINEF	RAL		
		BEKO	-								
	A	ILAS DEKO) M			ATLAS CERMIT	ATLAS CERMIT				
TM0	TM1	TM3 ready mix	TM5 ready mix	TM6	ATLAS CERMIT N-100	ND/ Cermit ND For Further Painting	SN/DR ATLAS CERMIT SN-MAL	ATLAS CERMIT MN	ATLAS CERMIT BA-M	ATLAS CERMIT WN	ATLAS CERMIT PS
	AT- P1	15-9090/2 \15824:2(2016 017		AT-15- 9090/2016 PN 15824:2017	AT-15-9(AT-15-2(AT-15-84 ITB-K0T-201 ITB-K0T-201	090/2016 930/2016 477/2016 18/0584 ed.1 18/0583 ed.1	AT-15-9090/2016 AT-15-2930/2016 AT-15-8477/2016 ITB- -KOT-2018/0583 ed.1	AT-15- 9090/2016, AT-15- 2930/2016, AT-15- 8477/2016	AT-15- 9090/2016 AT-15- 2930/2016	AT-15- 9090/2016 AT-15- 2930/2016 AT-15- 8477/2016
	OPERATIONAL DATA										
		acrylic resi	'n		styrene-acrylic and silicone resin	cement, lime					
	ATI	LAS CERPL	AST		ATLAS CERPLAST		ATLAS CERPLAST		ATLAS CERPLAST	ATLAS CERPLAST	ATLAS CERPLAST
stan- dard mosaic	fine mosaic	stan- dard mosaic	effect of stone	effect of sand- stone	with templates/ spotted/ sandstone	spotted	spotted/ rustic	spotted	effect of concrete	effect of timber (to be formed with silicone mold)	sandstone
unlimited	120	20	13	unlimited – 6 recom- mended	400	1 (white)	1	1 (white)	1	1 (white)	1 (sandstone)
2.0	0.8	2.0	1.2	0.5	1.0	2.0	1.5/SN15 2.0/SN20, DR20 2.5/SN-MAL25 3.0/SN30, DR30	1.5	1.5	1.0	1.0
3.0- 5.5	1.5- 2.5	3.0- 5.5	2.4- 4.3	1.5-2.5	2.0	2.8	2.5/SN15, SN-MAL 15 3.0/SN20, DR20 3.5/SN-MAL25 4.0/SN30, DR30	1.5	< 3.0	2.5-3.0	2.0-2.5
					n/a	1.5	1.5	1.5	3.0	1.0	1.5
				1	r	APP	LICATION	í	l	r	I
+	+	+	+	+	+	+	+	-	+	+	+
-	-	-	+	+	+	-	+	+	-	-	-
						TECHI	NICAL DATA				15/05
		n/a			n/a		15/35 (EN 1745	:2012, table A.12)	ſ	n/a	15/35 (EN 1745:2012, table A.12)
	1	medium $5 < V_2 \le 1$	50		medium $15 < V_2 \le 150$	n/a	n/a			$\begin{array}{l} \text{medium} \\ 15 < \text{V}_2 \leq 150 \\ \text{(with Bejca} \\ \text{impregnating sealer)} \end{array}$	n/a
	0.	medium $1 < W_2 < 0$	0.5		medium $0.1 < W_2 < 0.5$	≤ 1ml/cm² after 48h	≤ 1ml/cm² after 48h	$\begin{matrix} \text{low} \\ \text{W}_{_3} < 0.1 \end{matrix}$		≤ 1ml/cm² after 48h	≤ 1ml/cm ² after 48h
		0.14 – 1.4	4		0.14 - 1.4	< 0.14	< 0.14		0.14 - 1.4	0.14 - 1.4	< 0.14
		+			+	+	+	+	+	+	+
		8			8	12	12	12	12	12	12

façade paints

PRODUCT							
Paint type	SILICONE PAINT	SILICONE PAINT	SILICONE PAINT	SILICATE PAINT	ACRYLIC PAINT	STAIN	METALLIC VARNISH
Commercial name	ATLAS SALTA N PLUS	ATLAS SALTA N	ATLAS SALTA	ATLAS SALTA S	ATLAS SALTA E	ATLAS BEJCA	ATLAS METALLIC VARNISH
Reference document	PN-EN 1062- 1:2005	AT-15-9090/2016 ITB-KOT-2018/0	; AT-15-2930/2016; . 0584 ed.1; ITB-KOT-2	AT-15-8477/2016; 2018/0583 ed.1	AT-15- 9090/2016; AT-15- 8477/2016	AT-15- 9090/2016 AT-15- 2930/2016	PN-EN 1062- 1:2005
Number of colours	400	400	400	352	400	10	4
			OPERATIONAL DA	TA			1
Primer	not re	quired, in case of sigr	ificant substrate abso	orptiveness use dilute	d paint	not required	not required
Density [kg/dm ³]	1.44	1.44	1.42	1.50	1.53	1.02	1.60
Temperature during application [°C]	5-30	5-30	5-30	5-25	5-30	5-25	5-30
Time of drying [h]	2	2-6	2-6	2-3	2-4	1-2	0.5
Next coat application after [h]	3	6	6	6	6	6	
Application on fresh mineral render	after 5 days	after 5 days	after 5 days	after 2 days	after 28 days	after 3 days	after 2 days
Coverage from 1 litre (single application) [m²]	4-6.6	4-6.6	4-8	4-6	4-8	4-5	4-5
			TECHNICAL DAT	A	I	I	
Gloss G	G3-matt	G3-matt	G3-matt	G3-matt	G3-matt	n/a	G2 – semigloss
Coat thickness E [µm]			100 < E3 < 200			n/a	
Grain size [µm]	S1 - fine < 100 n/a						
Water vapour permeability coefficient V [g/m²24h]	n	nedium $15 < V_2 < 15$	0	large $V_1 > 150$	medium 15	< V ₂ < 150	
Water permeability W [kg/m ² h ^{0,5}]		1		medium 0.1	$< W_2 < 0.5$		
S _d [m]	< 0.15	0.14	- 1.4	< 0.14	0.14 – 1.4	0.14 - 1.4	0.14 – 1.4
Coating strength (white paint)	Class 1/ cor	verage 8 m²	(lass 2/ coverage 8 m ²		n/a	
pH	8	8	8	11 – 12	8	8	7.5
Bonding grade	1	1	1	1	1	1	1
Evaluation of degree of blistering, cracking and flaking			no blis	stering, cracking and	flaking		
			SUBSTRATE TYP	E			1
Mineral substrates: concrete, traditional plasters	+	+	+	+	+	+	+
Thin-coat mineral renders	+	+	+	+	+	+	+
Thin-coat acrylic render	+	+	+		+		+
Thin-coat acrylic-silicone render	+	+	+		+		+
Thin-coat silicone render	+	+	+		+		+
Thin-coat silicone-silicate render	+	+	+	+			+
Thin-coat silicate render	+	+	+	+			+
	1	USE WITH	THERMAL INSULAT	ION SYSTEMS	1	1	1
ATLAS ETICS		+	+	+	+	+	
ATLAS ETICS PLUS		+	+	+			
ATLAS ROKER G		+	+	+		+	
ATLAS ROKER ETICS		+	+	+		+	
ATLAS RENOTER		+	+	+	+		

priming masses beneath façade renders

PRODUCT







Commercial name	ATLAS CERPLAST	ATLAS SILKON ANX	ATLAS SILKAT ASX		
Reference document	AT-15-9090/2016, AT-15-2930/	2016, ITB-KOT-2018/0584 ed. 1, AT-15-8477/2	2016, ITB-KOT-2018/0583 ed. 1		
	USE REGARDIN	G THE TYPE OF RENDER			
Silicone		+			
Silicone-silicate		+			
Silicate			+		
Acrylic-silicone	+				
Acrylic	+				
Mineral	+				
Mosaic	+				
	TEC	HNICAL DATA			
Density of ready-made product [g/cm ³]	1.5	1.5	1.5		
Application of render after [h]	4-6	4-6	4-6		
Temperature of application [°C]	5-30	5-30	5-30		
Consumption [kg/m ²]	0.3	0.3	0.3		
USE WITH THERMAL INSULATION SYSTEMS					
ATLAS ETICS	+	+	+		
ATLAS ETICS PLUS	+	+	+		
ATLAS ROKER	+	+	+		
ATLAS ROKER G	+	+	+		
ATLAS RENOTER	+	+	+		



ATLAS thermal insulation systems

- 80 thermal insulation systems based on EPS polystyrene boards
- 84 thermal insulation systems based on mineral wool boards

thermal insulation systems based on EPS polystyrene boards

NEW – ATLAS ETICS PLUS

ATLAS ETICS PLUS system, being a new solution in AT-LAS portfolio, follows an introduction of completely new, innovative products for thermal insulation – most of all gel adhesive mortars and cement-free dispersion adhesive mass. These materials bring completely new possibilities for thermal insulation projects, same for contractors as for designers and investors. Contractors will appreciate gel adhesives, as they offer improved workability and performance, which facilitate and accelerate the pace of application. Designers will recognize better operational parametres of the system – especially its resistance to impact and hailstorm – which significantly enhance durability of thermal insulation.

System ATLAS ETICS PLUS brings great possibilities of designing a façade appearance and colour. It includes thin-coat renders used for application of traditional, textured structural rendering coats, and available in broad colour scheme of 480 shades. Moreover, owing to the use of an adhesive mass ATLAS STOPTER K-100 (for base coat installation), it is possible to choose also darker and more intensive colours of a façade. Till now, their applicability used to be limited to small areas only.

ATLAS ETICS PLUS distinguishes itself by the possibility of application of materials at high temperature (even up to +35°C). Thus, installation of thermal insulation can be executed in hot summer weather, when high ambient temperature and heated substrate normally hamper continuation of work or affect quality and durability of the system.

ELEMENTS OF THE ATLAS ETICS PLUS EXTERNAL WALL COMPOSITE THERMAL INSULATION SYSTEM

thermal insulation fixing – main	adhesive mortars	ATLAS HOTER S ATLAS HOTER U2 ATLAS HOTER U2-B ATLAS GRAWIS S
thermal insulation material	EPS polystyrene boards	of minimum performance listed in the designation code: EPS-EN 13163-T1-L2-W2-S5-P5-BS75- DS(N)2-DS(70,-)2-TR80
thermal insulation fixing – supplementary	mechanical fixings	authorized plastic anchors
base coat (reinforcing layer)	adhesive mortars	ATLAS STOPTER K-100 ATLAS HOTER U2 ATLAS HOTER U2-B
	reinforcing mesh	ATLAS 150 ATLAS 165 SSA-1111-340-SM
	priming mass	ATLAS CERPLAST ATLAS SILKON ANX ATLAS SILKAT ASX
finishing coat	thin-coat render	ATLAS CERMIT MINERAL ATLAS ACRYLIC RENDER ATLAS SILICONE RENDER ATLAS IN SILICONE RENDER ATLAS SILICONE-SILICATE RENDER ATLAS SILICATE RENDER
	primers	ATLAS ARKOL SX ATLAS ARKOL NX
	façade paints	ATLAS SALTA ATLAS SALTA S ATLAS SALTA N
supplementary accessories	drip profiles, corner profiles (straight an	profiles, window profiles, expansion joint d angle), sill profiles

thermal insulation systems based on EPS polystyrene boards ATLAS ETICS

ATLAS ETICS is a basic and the most universal external wall thermal insulation system in ATLAS portfolio. Basic, as it includes popular and commonly applied materials - adhesive mortars, thin-coat renders, paints. Universal, because the actual thermal insulation system can consist of various, freely composed, adhesives for polystyrene boards fixing, mortars for base coat installation and thin-coat renders meeting particular project requirements. These freedom and range of choice form the main AT-LAS ETICS advantage. An architect or a designer get a possibility of free selection of materials, which then form the subsequent system layers, in order to meet an individual investor's expectations. When selecting appropriate system elements, one can reach optimum operational or technical performance of thermal insulation, thus adjust it to a particular object location.

ATLAS ETICS system also brings a great possibility of designing a façade appearance and colour. It includes thincoat renders used for application of textured structural rendering coats, a special render to be used with decorative templates and a render forming a texture imitating natural timber. Thin-coat renders are available in wide colour scheme (400 colours).

ATLAS ETICS distinguishes itself by the possibility of application at low temperature (from +3°C). Thus, installation can be continued in late autumn and early spring time, thus a project can be concluded during an extended period of time.

ELEMENTS OF THE ATLAS ETICS EXTERNAL WALL COMPOSITE THERMAL INSULA-TION SYSTEM

thermal insulation fixing – main	adhesive mortars	ATLAS STOPTER K-20 ATLAS STOPTER K-50 ATLAS HOTER S ATLAS HOTER U ATLAS HOTER U WHITE ATLAS GRAWIS S ATLAS GRAWIS U	
thermal insulation material	EPS polystyrene boards	of minimum performance listed in the designation code: EPS-EN 13163-T1-L2-W2-S5-P5-BS75- DS(N)2-DS(70,-)2-TR80	
thermal insulation fixing – supplementary	mechanical fixings	authorized plastic anchors	
base coat (reinforcing	adhesive mortars	ATLAS STOPTER K-20 ATLAS STOPTER K-50 ATLAS HOTER U ATLAS HOTER U WHITE ATLAS GRAWIS U	
	reinforcing mesh	ATLAS 150 ATLAS 165	
finishing coat	priming mass	ATLAS CERPLAST ATLAS SILKON ANX ATLAS SILKAT ASX	
	thin-coat render	ATLAS CERMIT MINERAL ATLAS CERMIT N-100 ATLAS DEKO M ATLAS ACRYLIC RENDER ATLAS SILICONE RENDER ATLAS SILICONE RENDER ATLAS SILICONE-SILICATE RENDER ATLAS ACRYLIC-SILICATE RENDER ATLAS SILICATE RENDER	
	primers	ATLAS ARKOL SX ATLAS ARKOL NX	
	façade paints	ATLAS SALTA ATLAS SALTA E ATLAS SALTA S ATLAS SALTA N	
supplementary accessories	drip profiles, corner profiles, window profiles, expansion joint profiles (straight and angle), sill profiles		

thermal insulation systems based on EPS polystyrene boards

ATLAS CERAMIC

ATLAS CERAMIK brings an alternative to the standard thermal insulation systems with finishing coats made of thin-coat renders. Here, the top coat is made of ceramic tiles. Compared to rendering coats, a ceramic cladding ensures improved durability of the thermal insulation – most of all in terms of resistance to mechanical damage, ageing and occurrence of biological corrosion. A façade cladding made of ceramic tiles offers an ETICS system of individualized, noble appearance. ELEMENTS OF THE ATLAS CERAMIK EXTERNAL WALL COMPOSITE THERMAL INSULATION SYSTEM

thermal insulation fixing – main	adhesive mortars	ATLAS STOPTER K-20 ATLAS HOTER S ATLAS HOTER U ATLAS GRAWIS S
thermal	EPS polystyrene boards	of minimum performance listed in the designation code: EPS-EN 13163-T1-L2-W2-S5-P5-BS75- DS(N)2-DS(70,-)2-TR100
material	XPS polystyrene boards	of minimum performance listed in the designation code: XPS-EN 13164-T1-DS(TH)-TR100
thermal insulation fixing – supplementary	mechanical fixings	authorized anchors with steel pin
base coat (reinforcing	adhesive mortars	ATLAS STOPTER K-20 ATLAS HOTER U
layer)	reinforcing mesh	ATLAS 150
finishing coat	adhesives for tiles	ATLAS PLUS ATLAS PLUS WHITE ATLAS ELASTYK ATLAS GEOFLEX
	ceramic cladding	façade, frost-resistant ceramic tiles, pressed or extruded, belonging to groups Bia, Bib or Ala and Alb acc. to PN-EN 14411:2013 standard, of max. thickness of 15 mm, surface mass of max. 40 kg/m ² and surface size of max. 0.36 m ²
	grout	ATLAS ARTIS GROUT ATLAS TIGHT GROUT
supplementary accessories	drip profiles, corner profiles (straight an	profiles, window profiles, expansion joint d angle), sill profiles

thermal insulation systems based on EPS polystyrene boards

ATLAS RENOTER

ATLAS RENOTER is a special system designed for thermal insulation of existing thermal insulations – in cases where the existing external wall thermal insulation is in bad condition and/or does not meet current requirements on thermal performance. The improvement of parametres allows to follow the levels required by new regulations with no need to remove and reprocess the existing insulation. It also enables refurbishment of damaged façade top coats. It's a complete technological and material solution, it ensures total and proved compatibility of components, which is crucial for the next years of operation. The total thickness of old and new thermal insulation can reach up to 30 cm.

ELEMENTS OF THE ATLAS RENOTER EXTERNAL WALL COMPOSITE THERMAL INSULATION SYSTEM

thermal insulation fixing – main	adhesive mortars	ATLAS STOPTER K-20 ATLAS STOPTER K-50 ATLAS HOTER S ATLAS HOTER U
thermal insulation material	EPS polystyrene boards	of minimum performance listed in the designation code: EPS-EN 13163-T1-L2-W2-S5-P5-BS75- DS(N)2-DS(70,-)2-TR100
thermal insulation fixing – supplementary	mechanical fixings	authorized anchors with steel pin
base coat (reinforcing	adhesive mortars	ATLAS STOPTER K-20 ATLAS STOPTER K-50 ATLAS HOTER U
layer)	reinforcing mesh	ATLAS 150 ATLAS 165
	priming mass	ATLAS CERPLAST ATLAS SILKON ANX ATLAS SILKAT ASX
finishing coat	thin-coat render	ATLAS CERMIT MINERAL ATLAS ACRYLIC RENDER ATLAS SILICONE RENDER ATLAS IN SILICONE RENDER ATLAS SILICONE-SILICATE RENDER ATLAS ACRYLIC-SILICONE RENDER
	primers	ATLAS ARKOL SX ATLAS ARKOL NX
	façade paints	ATLAS SALTA ATLAS SALTA E ATLAS SALTA S ATLAS SALTA N
supplementary accessories	drip profiles, corner profiles (straight an	profiles, window profiles, expansion joint d angle), sill profiles

thermal insulation systems based on mineral wool boards

ATLAS ROKER

ATLAS ROKER system includes materials for external wall thermal insulation with use of insulation made of façade or lamella mineral wool. Wool has the edge over polystyrene in terms of fire resistance – it is classified as completely inflammable (class A1), whereas polystyrene holds an E class (fire retardant). ATLAS ROKER system is mostly designated for thermal insulation of high buildings (above 18 or 25 m depending on local regulations), objects of irregular shape (e.g. oval or semicircular), public access buildings (e.g. hospitals, schools). It can also be used on other types of buildings, e.g. single-family or detached houses.

ATLAS ROKER system includes a wide range of materials designed for application of the subsequent system layers – adhesives for thermal insulation fixing and base coat installation as well as finishing coats. An architect or a designer get a possibility of free choice of materials, which then form the system layers, in order to meet an individual investor's expectations. When selecting appropriate system elements one can reach optimum operational or technical performance.

System ATLAS ROKER also brings great possibility of designing a façade appearance and colour. It includes thincoat renders used for application of textured structural rendering coats, special render forming a texture imitating natural timber (ATLAS CERMIT WN) or a texture of architectural concrete (ATLAS CERMIT BA-M).

ELEMENTS OF THE ATLAS ROKER EXTERNAL WALL COMPOSITE THERMAL INSULATION SYSTEM

thermal insulation fixing – main	adhesive mortars	ATLAS ROKER W ATLAS ROKER U ATLAS STOPTER K-50		
thermal insulation material	mineral wool boards	of performance listed in the Technical Assessment		
thermal insulation fixing – supplementary	mechanical fixings	authorized anchors with steel pin		
base coat	adhesive mortars	ATLAS ROKER U ATLAS STOPTER K-50		
layer)	reinforcing mesh	ATLAS 150 ATLAS 165		
	priming mass	ATLAS CERPLAST ATLAS SILKON ANX ATLAS SILKAT ASX		
finishing coat	thin-coat render	AATLAS CERMIT MINERAL ATLAS SILICONE RENDER ATLAS SILICONE-SILICATE RENDER ATLAS SILICATE RENDER		
	primers	ATLAS ARKOL SX ATLAS ARKOL NX		
	façade paints	ATLAS SALTA ATLAS SALTA S ATLAS SALTA N		
supplementary accessories	drip profiles, corner profiles, window profiles, expansion joint profiles (straight and angle), sill profiles			

thermal insulation systems based on mineral wool boards

ATLAS ROKER G (GARAGE SYSTEM)

ATLAS ROKER G system is designed for installation of thermal insulation of ceilings (from bottom side) and walls (from the outside) of unheated rooms, e.g. garages, cellars, multi-storey garages, etc. The technology consists in installation of mineral wool insulation boards upon a substrate, followed by application of a finishing coat in accordance to one of four material-technological options marked with Roman numerals I, II, III and IV.

In option I, the base coat made of an adhesive mortar and embedded reinforcing fiberglass mesh is applied upon fixed mineral wool and coated with a façade paint. This solution is recommended for thermal insulation of ceilings and walls (from interior side) of unheated rooms, closed or open, neighbouring to some heated rooms.

In option II, the base coat made of an adhesive mortar and embedded reinforcing fiberglass mesh is applied upon fixed mineral wool and coated with a thin-coat render (with optional further painting). This solution is designed for thermal insulation of outdoor ceilings, e.g. of passages, pathways, car parks, with heated rooms located above. In option III, a thin-coat render is sprayed directly upon the fixed mineral wool boards, with no installation of the base coat. In option IV, silicone paint ATLAS SALTA or silicate paint ATLAS SALTA S is sprayed directly upon the fixed lamella mineral wool, with no installation of the base coat. Option III and IV can be applied for thermal insulation of ceilings and walls (from interior side) of closed rooms (e.g. garages, cellars), above which or close to which some heated rooms are located.

Option I and II enables application of thermal insulation with technique close to standard installation of external wall insulation (ETICS). Installation of the base coat reinforced with mesh ensures greater resistance to damage and operational factors. In option I, it's possible to resign of a thin-coat render and leave the system with painted base coat only. Owing to the elimination of time consuming and onerous rendering stage, the cost of a project and its time of execution gets significantly reduced (particularly in case of large surfaces). Options III and IV, owing to machine application of top coats directly upon the insulation boards – with no need of the base coat installation – brings the quickest and the most convenient effect with same complete technical and operational system performance.

SYSTEM OPTION		OPTION I	OPTION II	OPTION III	OPTION IV
thermal insulation fixing – main	adhesive mortars	ATLAS ROKER W ATLAS ROKER U	ATLAS ROKER W ATLAS ROKER U	ATLAS ROKER W ATLAS ROKER U	ATLAS ROKER W ATLAS ROKER U
thermal insulation material	mineral wool boards	of performance listed in the Technical Assessment			
thermal insulation fixing – supplementary	mechanical fixings	authorized anchors with steel pin			
base coat (reinforcing layer)	adhesive mortars	ATLAS ROKER U	ATLAS ROKER U	-	-
	reinforcing mesh	ATLAS 150 ATLAS 165	ATLAS 150 ATLAS 165	-	-
finishing coat	priming mass	-	ATLAS CERPLAST ATLAS SILKON ANX ATLAS SILKAT ASX	-	-
	thin-coat render	-	ATLAS CERMIT MINERAL ATLAS SILICONE RENDER ATLAS SILICONE-SILICATE RENDER ATLAS SILICATE RENDER	ATLAS CERMIT MN	-
	primers	ATLAS ARKOL SX ATLAS ARKOL NX	ATLAS ARKOL SX ATLAS ARKOL NX	-	-
	façade paints	ATLAS SALTA ATLAS SALTA S ATLAS SALTA N			ATLAS SALTA ATLAS SALTA S

ELEMENTS OF THE ATLAS ROKER G EXTERNAL WALL COMPOSITE THERMAL INSULATION SYSTEM



tools and suport

ATLAS belongs to the leading manufacturers of products for thermal insulation of buildings. As one of a few it offers external thermal insulation systems allowing for free choice of systems of materials, i.e. various adhesives, priming masses, renders and paints covered with an European or domestic technical assessment. ATLAS ETICS Systems have been given the Type III Environmental Declaration, which is crucial for high grade evaluation of buildings (e.g. LEED, BREAM, etc.). Each thermal insulation product is subject to numerous tests, executed by our laboratories and ordered outside, led in the most demanding conditions which a product could face in the natural environment.

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

Our specialists, advisors, technical representatives are ready to support you and advice on any construction problems. Practical 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 and comparison of façade renders and paints, mosaic renders, renders imitating timber as well as grouts and silicones. It also informs about the diffused light reflection coefficient, which is helpful in façades designing.



"COLOURS AND MATERIALS LIBRARY" APP

The program allows to import sets of colours and textures of ATLAS renders and colours of ATLAS paints. This tool is designed for use with graphic programs AutoCAD and ArchiCAD.

Available for download:

- façade colours in dwg, AutoCad files, ArchiCad files
- renderings 3D effects for mosaic renders, effects of timber, effect of brick, effect of concrete, effect of metal, effect of stone TM5 and effect of sandstone TM6

Application enables creation of professional visualizations and renderings with the use of software based on V-Ray solutions.



"DESIGN DETAILS" APP

This app is dedicated to designers as a support in preparation of project documentation. It is based on the most up-to-date knowledge.

Design details are prepared in the form of 3D pdf drawings. Examples of technical solutions are generated in dwg used by AutoCad and ArchiCad programs. Drawings are supported by detailed descriptions of materials and can be used in preparation of the technical records.



"CALCULATE CONSUMPTION" APP

Application helps to calculate consumption of particular products and materials necessary for a selected solution or system. It allows to estimate costs and materials coverage.

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**.

This brochure is a part of a series of books "External Wall Insulation Systems. Guidebook". Part 1: "ATLAS Art of Façade Decoration" Part 2: "ATLAS Thermal Insulation Systems" Part 3: "ATLAS Design Details"

Edition 1/ENG

ATLAS EXPORT DEPARTMENT

Szczawińska 52a, 95-100 Zgierz www.atlas.com.pl/en export@atlas.com.pl Tel.: +48 42 714 0792 Tel.: +48 42 714 0802

Foreign Sales Director – Atlas Group Coordinator mgoslawski@atlas.com.pl Tel.: +48 42 714 0793 Mob.: +48 607 781 018







NO. 1 IN POLAND