Browse our selection of ATLAS / AVAL products & system range for render finishes for new build and refurbishment projects. We have chosen the versatile and flexible range of products which are high performance, low maintenance, durable and weather resistant solutions for external decorative purposes. This material comparison will allow you to choose the best primer, render and facade paint.

PRIMING MASSES

AVAL KT 16

primer for acrylic and mineral renders

Description

Primes substrates for AVAL and ATLAS thin-coat renders – mineral, acrylic and mosaic AVAL KT 77 (ATLAS DEKO M). Increases adhesion – strongly adheres to the substrate and the applied renders. Limits the absorbability of the substrate – prevents excessive transfer of water from the freshly applied renders into the substrate.

The main characteristics

- ensures ideal adhesion of the render
- reduces absorbability and strengthens the substrate
- facilitates render application and texture forming
- unifies the substrate colour
- available in several colours

The main parameters

- consumption: ca. 0,3 kg / m^2
- adhesion: > 1.0 MPa
- drying time: 4 ÷ 6 h

COMPARISON TABLE

PRODUCT	 ATLAS CERPLAST/ AVAL KT 16*	 ATLAS SILKON ANX/ AVAL KT 76
Reference document	Primers are covered with technical approvals for the thermal insulation systems	
TYPE OF RENDER		
Mineral	✓	
Acrylic	✓	
Mozaic (e.g. DEKO M/ KT 77)	✓	
Silicate		
Silicone		✓
Acrylic-silicone	✓	
Silicone-silicate		✓
TECHNICAL DATA		
Density [g/cm^3]	1.5	1.5
Application of render after [h]	4-6	4-6
Temperature during application and substrate temperature [°C]	5-30	5-30
Consumption [kg/m^2]	0.3	0.3

* Apply on substrates of high absorptiveness

** Actual consumption depends on the substrate absorptiveness and the texture of painted surface. We recommend establishing the exact consumption on a test basis.

AVAL KT 76

primer for silicone render

Description

Primes substrates for AVAL thin-coat silicone renders. Limits the absorbability of the substrate – prevents excessive transfer of water from the freshly applied renders into the substrate.

The main characteristics

- ensures ideal adhesion of the render
- reduces absorbability and strengthens the substrate
- facilitates render application and texture forming
- unifies the substrate colour
- vapour permeable

The main parameters

- consumption: ca. 0.3 kg / 1 m^2
- adhesion: > 1.0 MPa

THIN COAT RENDERS

AVAL ACRYLIC RENDER/KT 60

spotted finish

Description

Decorative and protective finishing of façades and internal walls. Recommended for façades exposed to damage and soiling – owing to the high mechanical resistance, it is an ideal render for walls at schools, workshops, stores, backup buildings, situated close to roads, factories, or mines.

The main characteristics

- highly elastic
- resistant to scratching and micro-cracking
- highly durable
- easy for texture forming
- spotted texture

The main parameters

- consumption: from ca 2.5 – 2.8 kg for 1 m^2
- adhesion: ≥ 0.35 MPa
- compressive strength: 1.5 ÷ 5.0 N/mm^2
- 400 colours
- aggregate: 1.5; 2.0 mm

AVAL SILICONE HYBRID RENDER

spotted finish

Description

Thin-coat render for the execution of the finishing coats with a decorative spotted texture. Ideal for façades exposed to dirt and difficult operation conditions – in the vicinity of roads, industrial zones and urban centres surrounded by green areas or with high pollution.

The main characteristics

- vapour permeable
- very low water absorptiveness
- highly resistant to dirt
- high adhesion to the substrate

The main parameters

- consumption: ca 2.5 kg for 1 m
- spotted texture
- 400 colours
- aggregate: 1.5 mm

AVAL SILICONE RENDER/KT 74

spotted finish

Description

Decorative and protective finishing of façades and internal walls. Ideal for buildings exposed to dirt, dust and biological attack – in the vicinity of roads, industrial zones and urban centres surrounded by green areas; has the self – cleaning ability - the current maintenance consists only of washing the render - dirt is not permanently connected to the façade, so that rain water washes it, as well as spores of microorganisms.

The main characteristics

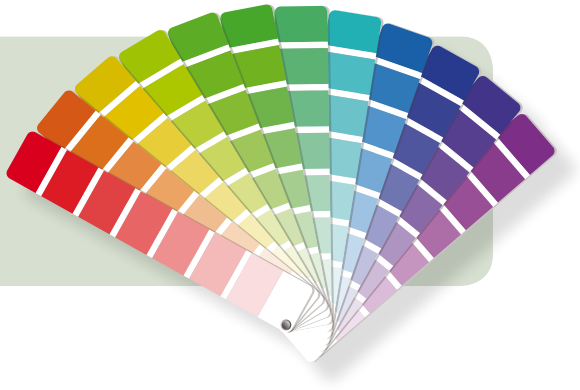
- self-cleaning effect
- resistant to dirt
- perfectly hydrophobic
- vapour permeable
- one texture – spotted

The main parameters

- consumption: from 2.5 kg/ m^2
- adhesion: ≥ 0.35 MPa
- 400 colours
- aggregate: 1.5 mm

Colour options

*AVAL renders are available in various colours available from a customisable pallet, upon request at **IBB POLISH BUILDING WHOLESALE** depots. We recommend that all colours and textures are verified against a sample before ordering.*



AVAL KT 35

mineral render (rustic finish)

The main characteristics

- reinforced with polymers
- durable and resistant to micro-cracking
- vapour permeable
- hydrophobic
- rustic texture

Description

Decorative and protective finishing of façades and internal walls.Recommended for buildings exposed to algae and fungi – situated close to clusters of greenery and water reservoirs; high pH (~12) hinders the development of biological corrosion appearing in the form of brownish-green deposit resulting in damage to the surface.

The main parameters

- consumption: from 2.5 kg/m^2
- compressive strength: 1.5 ÷ 5.0 N/mm^2
- high pH (~12)

AVAL KT 137

mineral render (spotted)

The main characteristics

- reinforced with polymers
- durable and resistant to micro-cracking
- vapour permeable
- hydrophobic
- spotted texture

Description

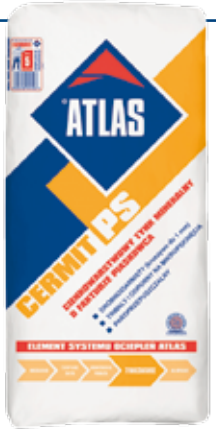
Decorative and protective finishing of façades and internal walls.Recommended for buildings exposed to algae and fungi – situated close to clusters of greenery and water reservoirs; high pH (~12) hinders the development of biological corrosion appearing in the form of brownish-green deposit resulting in damage to the surface.

The main parameters

- consumption: from 2.5 kg/m^2
- compressive strength: 1.5 ÷ 5.0 N/mm^2
- high pH (~12)

ATLAS CERMIT PS

mineral render with sandstone texture



The main characteristics

- fine aggregate (grain size up to 1 mm)
- durable and resistant to micro-cracking
- vapour permeable
- sandstone texture

Description

Sandstone texture – provides decorative and protective finishing of façades and internal walls. Recommended for façades requiring high water vapour permeability – the porous structure of the set render ensures free flow of water vapour; it is an ideal finish for partitions like external single-layer walls of swimming pools, kitchens, drying rooms, laundries, cold stores, gymnastic halls, baths, old buildings, etc.

The main parameters

- consumption: ca. 2.0 - 2.5 kg / m
- compressive strength: 1.5 ÷ 5.0 N/mm
- high pH (~12)

AVAL KT 77

decorative mosaic render

Description

Creates unique colour compositions from coloured quartz aggregate – rich colour palette provides remarkable freedom at designing and execution of exhibition rooms, car salons, offices, apartments, staircases, waiting rooms, halls, hallways and façades, etc.

The main characteristics

- compositions of coloured quartz aggregates
- highly resistant to mechanical damage
- highly resistant to washing and abrasion
- for the walls of corridors, exhibition halls, offices
- for façades, plinths, fencing and columns

The main parameters

- consumption: from 3 ÷ 4 kg for 1 m^2
- adhesion: ≥ 0.3 MPa
- 60 colour composition

PRODUCT	 ATLAS CERMIT SN/DR AVAL KT 137 AVAL KT 35	 ATLAS CERMIT SN-MAL	 ATLAS CERMIT ND	 ATLAS CERMIT PS	 ATLAS CERMIT N/R AVAL KT 60 AVAL KT 64
Reference document	PN-EN 998-1:2012				
Render type	Mineral dry mixtures				
Binder	Cement				Styrene -acrylic resin
Priming mass	Cerplast/ AVAL KT 16				Cerplast/ AVAL KT 16
Texture	spotted/rustic	spotted	spotted	sandstone	spotted/rustic
Colours	41	1 (white)	1 (white)	1 (sandy)	655
Max. diameter of aggregate [mm]	1.5/spotted 2.0/spotted/rustic 3.0/spotted/rustic	1.5/SN-MAL 15 2.5/SN-MAL 25	2.0	1.0	1.5/spotted 2.0/spotted/rustic 3.0 rustic
Consumption [kg/m^2]	2.5 for 1.5 mm 3.0 for 2.0 mm 4.0 for 3.0 mm	2.5 for 1.5 mm 3.5 for 2.5 mm	2.8	2.0-2.5	2.5-2.8 for 1.5 mm 3.0 for 2.0 mm
Mixing proportions [l/25kg]	5.75-6.50/spotted 5.0-6.0/rustic	5.0-6.25/SN-MAL15 4.5-5.5/SN-MAL 25	6.25	5.0-5.5	
Pot life [h]	1.5	1.5	1.5	1.5	
USE					
Manual	✓	✓	✓	✓	✓
Machine	✓ **	✓ **		✓	

COMPARISON TABLE

				
ATLAS SILKON N AVAL KT 74	ATLAS/AVAL ACRYLIC RENDER	ATLAS/AVAL ACRYLIC-SILICONE RENDER	ATLAS/AVAL SILICONE RENDER	ATLAS DEKO M AVAL KT 77
PN-EN 15824:2010				
Dispersion ready-to-use mix				
Styrene-acrylic and silicone resin	Styrene -acrylic resin	Styrene-acrylic and silicone resin	Styrene-acrylic and silicone resin	Acrylic resin
Silkon ANX/ AVAL KT 76	Cerplast/ AVAL KT 16	Cerplast/ AVAL KT 16	Silkon ANX/ AVAL KT 76	Cerplast/ AVAL KT 16
spotted	spotted	spotted	spotted	spotted
655	400	400	400	60
1.5	1.5/N-15 2.0/N-20	1.5	1.5	1.0-2.0
2.5-2.8	2.5 for 1.5 mm 3.0 for 2.0 mm	2.5	2.5	3.0-5.5*
USE				
✓	✓	✓	✓	✓

* Apply on substrates of high absorptiveness

** Actual consumption depends on the substrate absorptiveness and the texture of painted surface. We recommend establishing the exact consumption on a test basis.

FAÇADE PAINTS

AVAL KT 44

acrylic paint

Description

Recommended for surfaces exposed to pollution and high functional load – due to high abrasion resistance and low absorptiveness, it is perfect for places exposed to these factors: on facades of schools, shops, sport facilities, buildings situated along communication routes, for staircases, corridors, etc. Recommended for surfaces exposed to high thermal load – due to elasticity and high resistance to cracks and scratches, it compensates strain resulting from different heat expansion of layers beneath, e.g. present in sunlit façades.

The main characteristics

- perfectly covering and efficient
- elastic – extremely resistant to changing atmospheric conditions
- easy to clean
- for protection and decoration of façades

The main parameters

- 695 colours
- consumption: 1l of paint for ca. 7m (on smooth surfaces)

ATLAS FASTEL NOVA

hybrid paint with nanotechnology

Description

Creates surface resistant to adhesion of pollution – the paint surface is extremely consistent, microscopically smooth, due to which particles of dirt, algae and fungi spores easily lose contact with the wall and are naturally removed by rain and wind. 2 in 1 – the first paint layer primes the substrate – nanoparticle structure of the paint enables better substrate penetration – reduces its absorbability, strengthens it and increases the adhesion of the paint without a primer (concerns fresh plasters); it protects the final layer against contamination from the substrate.

The main characteristics

- silicone - modified
- 2 in 1 – no primer needed
- self-cleaning
- hydrophobic with PEARL EFFECT
- for protection and decoration of façades

The main parameters

- 695 colours
- consumption: ca. 1 l of paint for ca. 7-8 m^2 (on smooth surfaces)

AVAL KT 46 ATLAS SALTA

hybrid silicone paint

Description

ATLAS SALTA paint is highly resistant to fading, UV rays action and soiling. The use of pigments of the newest generation and advanced manufacturing technology as well as pigment dosing control provide the paint with very good utilisation properties and, above all, façade colour durability.

The main characteristics

- outstanding colour durability
- well coating
- highly resistant to dirt
- does not require a primer
- low absorptiveness

The main parameters

- 400 colours
- consumption: ca. 1 l of paint for ca. 7-8 m^2 (on smooth surfaces)

ATLAS SALTA E

acrylic paint

Description

Recommended for surfaces exposed to pollution and high functional load – due to high abrasion resistance and low absorptiveness, it is perfect for places exposed to these factors: on facades of schools, shops, sport facilities, buildings situated along communication routes, for staircases, corridors, etc.

The main characteristics

- outstanding colour durability
- perfectly coating and efficient
- highly resistant to contamination with algae
- self – cleaning ability

The main parameters

- 400 colours
- consumption: 1 l of paint for ca. 7 m^2 (on smooth surfaces)

COMPARISON TABLE

PRODUCT	 ATLAS ARKOL E/ AVAL KT 44	 ATLAS FASTEL-NOVA	 ATLAS SALTA/ AVAL KT 46	 ATLAS SALTA E
Reference document	Paints are covered with technical approvals for the thermal insulation systems			
Type of paint	Acrylic	Silicone modified	Silicone modified	Acrylic
Number of colours	695	695	400	400
TECHNICAL DATA				
Primer	UNI-GRUNT*	Not required	Not required	Not required
Density [kg/dm^3]	1.45	1.4	1.4	1.5
Temperature during application and substrate temperature [°C]	5-25	5-30	5-30	5-30
Drying time [h]	2-6	2-6	2-6	2-4
Next coat application after [h]	6	6	6	6
Application on fresh mineral render after min. [days]	28	5	5	28
Output from 1 litre (single application) [m^2] **	4-8	4-8	4-8	4-8
SUBSTRATE TYPE				
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		✓	✓	
FINISHING COAT FOR THERMAL INSULATION				
Insulation system with EPS/XPS	✓	✓	✓	✓
Insulation system with mineral wool		✓	✓	

* Apply on substrates of high absorptiveness

** Actual consumption depends on the substrate absorptiveness and the texture of painted surface. We recommend establishing the exact consumption on a test basis.