



ATLAS CERMIT WN

mineral render imitating natural wood texture

- modern decorative effect
- durable and weatherproof
- highly vapour-permeable
- even texture using dolomite fillers



Properties

ATLAS CERMIT WN is a mixture of white cement and lime, selected dolomite aggregates and quartz flour, as well as modifying additives and a water repellent.

High weather resistance - thanks to a specially selected bulk stack of fine fillers and additional structural reinforcement in the form of microfibres.

High strength and durability - thanks to the use of a polymerised cement-lime mortar based on white cement and hydrophobic agents that ensure high structural integrity of the render. The progressive carbonation of the mineral render over time results in a further reduction in water absorption, hardening of the structure and increased resistance to environmental chemical aggression.

The render's high alkalinity and hydrophobicity provide **natural protection against the growth of decay fungi and algae** - this is especially true for buildings located near greenery and water bodies, in shady areas in city centres with a high concentration of pollutants.

It does not attract dust, dirt or airborne pollen.

Can be applied by machine using the recommended rendering units.

Colour and texture - white, imitating wood (after imprinting the silicone mould).

Aggregate thickness max. up to 1.0 mm.

Purpose

ATLAS CERMIT WN is intended for the application of decorative thin-layer and protective renders on the exterior of existing and newly constructed buildings:

- in complex external thermal insulation composite systems (ETICS) for buildings using polystyrene (EPS) and mineral wool (MW) render,
- on even, properly prepared mineral substrates (e.g.: concrete, traditional cement and cement-lime render).

ATLAS CERMIT WN is intended for making a surface imitating the texture of wood, which is imprinted in the render using a silicone mould - it creates a durable and decorative finish on the facade surface. It can be applied to the entire façade surface or parts of it.

SUBSTRATE TYPE	
reinforced layers of insulation systems indicated	+
concrete	+
traditional, cement and cement-lime renders made on walls made of bricks, blocks ceramic, cellular or calcium silicate blocks and hollow bricks	+
Gypsum plaster, plasterboard (inside the building)	recommended ATLAS CERMIT N-100

TYPES OF FACILITIES	
housing construction	+
public, educational, office and healthcare buildings	+
commercial and service construction	+
industrial construction	recommended ATLAS SILICONE RENDER
industrial warehouses	recommended ATLAS SILICONE RENDER
traffic construction	recommended ATLAS SILICONE RENDER
farm and livestock buildings	recommended ATLAS SILICONE RENDER
historic buildings	recommended ATLAS SILICONE RENDER
passive construction	+
energy-efficient construction	+

LOCATION	
urban and urbanised areas	+
industrial, investment and economic zones	+
rural and agricultural areas	+
Wetlands and humid areas, surroundings of water bodies	+
close proximity to tree stands and green areas	+
shaded areas	+

PLACE OF USE	
facade in an insulation system with polystyrene foam	+
façade with mineral wool insulation system	+
single-layer wall facade	+
ceiling side	use ATLAS CERMIT MN
wall inside the building	recommended ATLAS CERMIT N-100

Technical data

Diffusion resistance as a function of air layer thickness	$0.14 \text{ m} < S_d < 1.4 \text{ m}$
Water vapour permeability - category	V ₂ - medium (with stain)
Water permeability	≤1ml/cm ² after 48 h (after required seasoning cycles)
pH	12
Mixing ratio: water / dry mortar	0.21 ÷ 0.24 l / 1 kg 5.25 ÷ 6.0 l / 25 kg
Application temperature (substrate and ambient)	from +5 °C to +30 °C
Pot life	1.0 hours
Stain painting	3 days

*) - applies to T=20° C, relative humidity 60%

Technical requirements

The render complies with the requirements of EN 998-1:2016-12 - single coat render mortar for external use (OC), manufactured in-house. For masonry walls, ceilings, columns and partition walls.

ATLAS CERMIT WN (2019) Declaration of performance No. 108/1/CPR EN 998-1:2016	
Intended use: for external walls, ceilings and columns, for ceilings, columns and partition walls.	
Reaction to fire	A1
Water absorption	IN 1 _c
Water permeability after seasoning cycles	≤ 1ml/cm ² after 48 h
Water vapour permeability	μ ≤ 30
Adhesion after required seasoning cycles	0.3 N/mm ² - FP:B

ATLAS CERMIT WN is a component of product sets for the execution of thermal insulation systems:

Name of the system	National Technical Assessment
ATLAS ETICS	ITB-KOT-2020/1616 Issue 3
ATLAS ROKER	ITB-KOT-2021/1919 Issue 2
ATLAS ROKER EPS	ITB-KOT-2020/1188 Issue 1

Rendering

Substrate preparation

The substrate should be:

- stable** - sufficiently stiff and sufficiently long seasoned and primed, **dry**,
 - even** - unevenness and cavities should be filled in using for example:
 - ATLAS ZW 330,
 - ATLAS RENDERING MORTAR
 - adhesive mortars for the execution of the reinforcement layer in thermal insulation systems.
- Before repairing, the substrate should be primed with a preparation:
- ATLAS UNI-GRUNT,
 - ATLAS UNI-GRUNT ULTRA,
 - ATLAS GRUNT NKP (ready to use - without dilution),
 - ATLAS UNI-GRUNT COLOUR,

cleaned - from layers that may impair adhesion of the render, especially from dust, dirt, lime, oil, grease, wax, oil and emulsion paint residues; if the substrate is infested with biological infestation (mould decay fungi, algae, etc.) they need to be removed with ATLAS MYKOS PLUS.

Specific requirements for substrates

Substrate type	Seasoning requirements	Method of priming
reinforced layer in ETICS systems, made of ATLAS STOPTER K-50 mortar	min. 3 days*	No render base required
reinforced layer in ETICS systems, made of other ATLAS adhesive mortars	min. 3 days*	ATLAS CERPLAST
new cement render made from ATLAS ready-mixed mortars, traditional cement and cement-lime renders	min. 7 days*, moisture content 4%	ATLAS CERPLAST
concrete substrates	min. 28 days*, structural moisture < 4%	ATLAS CERPLAST

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

Preparation of the rendering mix

When preparing the render for application by hand, pour the material from the bag into the bucket and premix dry. Then pour the mixture into a container with water (proportions are given in the Technical Data) and stir mechanically until a homogeneous mass is obtained. Set the mixed mixture aside for 5 minutes and stir again. Once prepared, it must be used within approx. 1.0 hour. During work, the mixture should be stirred from time to time to homogenise the consistency, avoiding the addition of water.

Application of compound and texturing

The render should be applied evenly over the surface to a thickness of approx. 4 mm with a smooth float. In order to make the layer of render even, it should be "brushed" again with a 10 mm notched trowel and smoothed again. 10 mm with an angled trowel and smooth it out again. Then wait until the compound has pre-cured and slightly dried on the surface. Depending on weather conditions, this can take about 20 - 60 min. This time must be strictly controlled. The wood texture should be imprinted on the prepared surface with a silicone mould. The size of the mould is 2 m x 0.2 m. The mould should be thoroughly greased with ATLAS ANTI-ADHESION AGENT before use. Any render residue in the recesses of the mould should be removed on an ongoing basis before re-use. The mass is hard after 24 h, after 3 days it may be covered with ATLAS BEJCA staining impregnant (refers to setting conditions: T= +20° C, air humidity 50%).

Consumption

Average consumption: approx. 2.5-3.0 kg of render per² 1 m. The exact consumption value can be determined by a test carried out on the rendered substrate.

Packaging

25 kg paper bags.

Safety information

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

Storage and transport

Information on storage and transport is given on the product packaging and in the Safety Data Sheet, available at www.atlas.com.pl.

The shelf life of the product (best before use) is 12 months from the production date on the packaging.

Important additional information

Each time you have finished working, you should wash the silicone mould very thoroughly of any residue of release agent. It is recommended to use water with detergent to wash the mould. Failure to wash the mould thoroughly may result in permanent deformation of the mould and difficulties in obtaining the correct texture.

The material should be applied wet-on-wet, not allowing the smoothed batch to dry before stretching the next batch. Otherwise, the joint will be visible. Technological breaks should be planned in advance, for example: in the corners and folds of the building, under drain pipes, etc.

The rendered surface should be protected, both during the work and during the render drying period, from direct sunlight, wind and precipitation.

Clean the tools with clean water, immediately after use. Difficult to remove residues of the set compound are washed off with ATLAS CEMENT AWAY.

The information contained in this Technical Data Sheet is a basic guideline for the use of the product and does not relieve the user of the obligation to carry out the work in accordance with the rules of the art of construction and safety regulations. With the issue of this Technical Data Sheet, all previous ones are no longer valid. Documents accompanying the product are available at www.atlas.com.pl.

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