



ATLAS CERMIT ND

- for painting

thin-coat mineral render

- high durability of the lining during use
- polymer-reinforced
- highly vapour-permeable
- even texture using dolomite fillers



Properties

ATLAS CERMIT ND - FOR PAINTING is a blend of carefully selected cements and lime, special polymers, selected dolomite aggregates and modifying additives and hydrophobizers.

High resistance to microscratch formation - thanks to a specially selected bulk stack of fine fillers and additional structural reinforcement with microfibres.

The high durability of the surfacing during use achieved by the addition of redispersible polymers, microfibres and special additives and modifiers are:

- increased resistance to weathering and UV radiation,
- increased resistance to dirt (due to the use of hydrophobic agents).
- the limited absorbability and high diffusivity of the render effectively eliminates the occurrence of frost corrosion,
- natural resistance to microbial growth,
- maintaining the aesthetic appearance of the façade over the long term.

Low consumption of facade paints - thanks to the use of specially selected dolomite fillers, structural tightness, appropriately selected bulk density and hydrophobic additives, the surface covered with the render can be can be perfectly painted with façade paints, reducing their consumption.

Precipitation resistance - the low surface absorption coefficient combined with the high diffusivity facilitates the drying of walls, even after heavy rainfall.

The exceptional care for the environment at the stage of the production of ATLAS CERMIT ND - FOR PAINTING taking into account the requirements of sustainable development is confirmed by a Type III Environmental Declaration.

1 type of invoice spotted (sheepskin)
2 thicknesses 1.5 mm and 2.0 mm

Purpose

ATLAS CERMIT ND - FOR PAINTING is intended for the application of decorative and protective thin-coat renders on the exterior of buildings:

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

ATLAS CERMIT ND - FOR PAINTING is particularly recommended for:

- the execution of coatings on building partitions where high diffusivity is required (mineral wool thermal insulation, increased relative air humidity in the rooms),
- the execution of thin-layer renderings in old buildings.

SUBSTRATE TYPE	
reinforced layers of insulation systems indicated	+
concrete	+
traditional, cement and cement-lime renders made on brick, block and hollow ceramic, cellular or calcium-silicate walls	+
Gypsum plaster and plasterboard (inside the building), covered with ATLAS CER-PLAST undercoat	+

TYPES OF FACILITIES	
housing construction	+
public, educational, office and healthcare buildings	+
commercial and service construction	+
industrial construction	+
industrial warehouses	+
traffic construction	+
farm and livestock buildings	+
historic buildings	+
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	+

Technical data

Mixing ratio water / dry mortar	6.00 ÷ 6.50 l / 25 kg
Temperature of the compound preparation and of the substrate and surroundings during the work	from +5 °C to + 30 °C
Maturation time	approx. 10 minutes
Pot life	1.5 hours
Open time	approx. 20 minutes

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

Technical requirements

The render meets the requirements of EN 998-1 - manufactured in-house, single coat (OC) plaster mortar for external use on masonry walls, ceilings, columns and partition walls.

ATLAS CERMIT ND FOR PAINTING (2020) Declaration of performance No. 135-2/2/CPR EN 998-1:2016	
Intended use: for external walls, ceilings and columns, for ceilings, columns and partition walls.	
Reaction to fire	A2-s1, d0
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 ND - FOR PAINTING is a component of product sets for the execution of thermal insulation systems:

Name of the system	Approval/National Technical Assessment
ATLAS ETICS	ITB-KOT-2020/1616 Issue 3
ATLAS ETICS PLUS	ITB-KOT-2018/0584 Issue 1
ATLAS RENOTER	ITB-KOT-2021/2020 Issue 1
ATLAS ROKER	ITB-KOT-2021/1919 Issue 2
ATLAS ROKER G	ITB-KOT-2018/0583 Issue 1
ATLAS ROKER EPS	ITB-KOT-2020/1188 Issue 1

Rendering

Substrate preparation

The substrate should be:

- stable** - sufficiently strong, sufficiently long seasoned and primed, dry,
- even** - unevenness and cavities should be filled in using, for example, levelling mortar:
 - ATLAS ZW 330,
 - ATLAS PLASTERING MORTAR.
- Before repairing, the substrate should be primed with a preparation:
 - ATLAS UNI-GRUNT,
 - ATLAS UNI-GRUNT ULTRA,
 - ATLAS UNI-GRUNT COLOUR,
 - ATLAS GRUNT NKP (ready to use - without dilution).
- cleaned** - from layers that may impair adhesion of the render, especially from dust, dirt, lime, oil, grease, wax, oil and emulsion paint remains. If there is biological infestation on the substrate (fungi, algae, etc.) they require mechanical removal and application of ATLAS MYKOS PLUS.

Specific requirements for substrates

Substrate type	Seasoning requirements	Method of priming
reinforced layer in ETICS systems, made of ATLAS STOP-TER K-50 or ATLAS HOTER U2-B mortars	min. 3 days*	No render base required
reinforced layer in ETICS systems, made with other ATLAS adhesive mortars	min. 3 days*	ATLAS CERPLAST
new cement renders made from ATLAS ready-mixed render mortars, traditional cement and cement-lime renders	min. 7 days * moisture content ≤ 4%*	ATLAS UNI-GRUNT
concrete substrates	min. 28 days* structural moisture < 4%*	ATLAS CERPLAST
coatings with good adhesion to the substrate in interior applications	no requirements	ATLAS CERPLAST

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

Preparation of the rendering mix

Pour the material from the bag into a vessel and stir dry. Then, pour the mixture into the container with the measured amount of water (proportions are given in the Technical Data) and mix by hand or mechanically until a homogeneous consistency is obtained. The mixed mixture should be set aside for 10 minutes and mixed again. Once prepared, it should be used within approx. 1.5 hours. The mixture should be stirred from time to time during use in order to homogenise it. in order to homogenise it.

Application of the mass

The compound can be applied to the substrate by hand. It should be applied in a layer the thickness of an aggregate, using a smooth stainless steel trowel. Excess material should be drawn off into the

container in which it was prepared and it is necessary to stir the entire contents again.

Invoicing

The freshly applied by hand mass should be textured with a plastic float. A lambent effect is achieved by rubbing the mixture in circular movements.

Finishing work

The render should be painted using facade paints (e.g. ATLAS SALTA E, ATLAS SALTA S, ATLAS SALTA, ATLAS SALTA N). Painting with silicate paint ATLAS SALTA S or silicone paints ATLAS SALTA, ATLAS SALTA N can be started just after the render has dried out, however, not earlier than after 48 hours (SALTA S) or 5 days (SALTA, SALTA N PLUS and SALTA N). Painting with ATLAS SALTA E paint is possible after 28 days from render application.

Consumption

The average consumption is:

- approx. 2.8 kg per 1 m² - for render with a granulation of 2.0 mm
- approx. 2.5 kg per 1 m² for a granulation of 1.5 mm.

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 storage life of the mortar under the conditions specified is 12 months from the date of manufacture on the packaging.

Important additional information

The open time (between application and grouting) depends on the absorbency of the substrate, the ambient temperature and the consistency of the mortar. It is necessary to determine experimentally (for a given type of substrate and weather conditions) the maximum area possible to be completed in one technological cycle (drawing and rubbing in).

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

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

The drying time of the render, depending on the substrate, temperature and relative air humidity, is 12 to 48 hours. The temperature of the substrate and surroundings, during the execution of work and drying of the render, should be between +5 °C and +30 °C.

Clean the tools with clean water, immediately after use. Difficult to remove residues of the set compound should be 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. The documents accompanying the product are available at www.atlas.com.pl.

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