



ATLAS CERMIT ND

thin-coat mineral render

- reinforced with polymers
- durable and resistant to micro-cracking
- water vapour permeable
- spotted 2.0 mm
- two colour versions – white and for painting



EASY IN USE



FOR WALLS



FROST- AND WATERPROOF



INDOORS AND OUTDOORS



MYCO PROTECT



APPLY WITH FLOAT



SPOTTED FINISH

Render based on dolomite aggregate

Owing to the use of specially chosen and selected dolomite aggregate mixes the render offers exceptional features:

- perfect working parameters – very good bonding to the substrate during application (almost no material loss), very easy structure forming and optional painting.
- uniform, repeatable spotted texture.

Use

Decorative and protective top finish of façades or internal walls.

Light and durable rendering coat – perfect top finish of thermal insulation systems.

Recommended for façades, where high water vapour permeability should be kept – porous structure of set render ensures free transfer of water vapour – therefore can be used, e.g. as finishing coat of external walls of roofed pools, kitchens, drying houses, laundries, cold storage plants, gym halls, baths, old buildings, where keeping proper warm and humidity parameters of partition is essential.

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

Types of rendered buildings – single- and multi – family, public access buildings.

Types of substrates – concrete, traditional plasters on walls made of bricks, ceramic, cellular or silicate blocks or hollow blocks, plasterboards (indoors), thermal insulation systems with polystyrene, XPS and mineral wool.

Properties

Allows for free technological areas adjoining.

Forms snow-white surface, does not require painting (white version of ATLAS CERMIT ND) – version for painting must be finished with paint coat, e.g. ATLAS SALTA. Paint must be applied not later than 1 year since the render application (render can be left unpainted during single winter time only).

Resistant to micro-cracking – contains special microfibres strengthening its structure.

Additional melioration of strength parameters in time - owing to positive influence of the natural process of mineral renders carbonation, which limits their absorbability, hardens structure and improves resistance to chemical aggression.

High strength and hardness – owing to polymer-reinforced mix of binders – white, fine, high grade cement type and lime as well as specially selected dolomite aggregate.

MYCO PROTECT – high pH naturally protects the render against biological corrosion, i.e. development of fungi and algae on the render surface, for long time.

Does not attract dust, dirt, pollen as well as pollution from exhaust fumes.

Inflammable – in combination with mineral wool forms inflammable thermal insulation system for walls.

Technical data

ATLAS CERMIT ND is manufactured as a dry mix of white cement and dolomite aggregate.

| | |
|-----------------------------------------------------------------------------|------------------------|
| Mixing ratio (water/dry mix) | approx. 6.25 l / 25 kg |
| Mass preparation temperature, substrate and ambient temperature during work | from +5°C to +25°C |
| Maturing time | approx. 10 minutes |
| Pot life | 1.5 hour |
| Open time | approx. 20 minutes |

Technical requirements

Render conforms to PN-EN 998-1 standard. EC Declaration of Performance No. 135/CPR.

| | |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| CE | PN-EN 998-1:2012 (EN 998-1:2010) |
| Factory made single-coat (OC) rendering mortar | for outdoor use, on masonry walls, ceilings, posts and partition walls |
| Reaction to fire - class | A1 |
| Water absorption - category | W1 |
| Bonding after required freeze-thaw cycles | ≥ 0.5 N/mm ² - FP:B |
| Water vapour permeability coefficient μ | 15/35 (EN 1745:2002, table A.12) |
| Thermal conductivity coefficient (average tabular value P=50%) | 0.83 W/mk (λ _{10, dry}) (EN 1745:2002, table A.12) |
| Water permeability tested after required freeze-thaw cycles | ≤ 1 ml/cm ² after 48 h |
| Gross dry density | ≤ 1800 kg/m ³ |
| Durability. Bonding after required freeze-thaw cycles. | ≥ 0.5 N/mm ² - FP:B |
| Durability. Water permeability after required freeze-thaw cycles | ≤ 1 ml/cm ² after 48 h |
| Release/content of hazardous substances | See: Safety Data Sheet |

The render has been given the Radiation Hygiene Certificate. Additionally it is listed in the following approvals for thermal insulation systems:

| System name | Technical Approval No. | Certificate No. |
|---------------|------------------------|-----------------|
| ATLAS RENOTER | AT-15-8477/2010 | FPC-ITB-0456/Z |
| ATLAS ETICS | AT-15-9090/2014 | FPC-ITB-0562/Z |
| ATLAS ROKER | AT-15-2930/2012 | FPC-ITB-0436/Z |
| ATLAS ROKER G | AT-15-7314/2011 | FPC-ITB-0222/Z |

Rendering

Substrate preparation

The substrate should be:

- **stable** – sufficiently rigid and sufficiently long stabilized. The assumed stabilization time for substrates is respectively:
 - new cement plasters made of ATLAS mortars - min. 1 week for each 1 cm of thickness,
 - concrete walls – min. 28 days,
- **air-dry** – in the state of moisture equilibrium in standard operation conditions,
- **even** – irregularities and gaps, which would hinder formation of proper render texture, should be filled with, e.g. ATLAS ZW 50, ATLAS ZW 330, ATLAS PLASTER-ING MIX or adhesive mortars used for installation of base coats of thermal insulation systems; prime the surface with ATLAS UNI-GRUNT emulsion before repairs,
- **clean** – free from layers which would impair the render bonding, especially dust, dirt, lime, oil, grease, wax, residues of oil and emulsion paints; substrates infected by biological corrosion must be cleaned with ATLAS MYKOS agent,
- **primed** - with ATLAS CERPLAST priming mass.

Rendering mass preparation

Pour the material from the bag into a bucket and mix dry – aggregate segregation can occur in transportation. Next, pour the mix into a container with suitable amount of water (see Technical Data for ratio) and mix manually or mechanically until homogenous. Leave the mass to rest for 10 minutes and remix. The mass should be used up within approx. 1.5 hour. During application, mix the mass on regular basis in order to keep homogenous consistency.

Mass application

The mass can be applied manually. It should be applied with a smooth stainless steel float, with coat of thickness equal to the aggregate grain size. Collect excessive material, put it back in the bucket and obligatorily remix.

Texture forming

Freshly applied mass requires texture forming with a plastic float. The spotted effect is formed by floating the rendering coat with circular moves.

Finishing works

Depending on render type, the finishing coat can be left without painting (white version of ATLAS CERMIT ND) or requires coating with a façade paint (version ATLAS CERMIT ND for painting). The render can be coated with any façade paints (e.g. silicate ATLAS ARKOL S, ATLAS SALTA S, silicone ATLAS SALTA, ATLAS FASTEL-NOVA, ATLAS SALTA N, acrylic ATLAS SALTA E, ATLAS ARKOL E). Painting is possible after 2 ÷ 6 weeks since the completion of render application (depending on type and colour of paint). Painting with ATLAS silicate paints ATLAS ARKOL S and ATLAS SALTA S or ATLAS silicone paints ATLAS SALTA and ATLAS FASTEL NOVA can start just when the render dries, not earlier, however, than after 48 hours (silicate paint) or 5 days (FASTEL NOVA and SALTA).

Consumption

Average consumption - approx. 2.8 kg/1 m².

Important additional information

- The open time (between application and texture forming) depends on substrate absorbability, ambient temperature and render consistency. The maximum surface possible to render in a single technological cycle (application and floating; for particular substrate type and weather conditions) should be established experimentally.
- Apply the render with the "wet on wet method", prevent the textured coat from drying before application of the subsequent coat. Otherwise the seams will be visible. Technological breaks have to be planned in advance, e.g. in corners and angles of a building, under rainwater pipes, on lines of contact of two colours, etc.
- Protect the rendered surface both during work and render setting against direct sunlight, wind and precipitation.
- The setting time depends on substrate type, temperature and relative air humidity, and can vary from 12 up to 48 hours. The substrate and ambient temperature during work and render setting must be between +5°C and +25°C.
- Tools must be cleaned with clean water directly after use. Difficult to remove residues of the set render can be removed with ATLAS SZOP agent.
- Contains cement. May cause respiratory irritation. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Keep out of reach of children. Avoid breathing dust. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or a rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Follow the instructions of the Safety Data Sheet.
- The render must be transported and stored in tightly sealed bags, in dry conditions (most preferably on pallets). Protect against humidity. Shelf life in conditions as specified is 12 months from the production date shown on the packaging. Content of soluble chromium (VI) in ready-to-use mix - ≤ 0.0002%.

Packaging

Paper bags: 25 kg

Pallet: 1,050 kg in 25 kg bags

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

At the time of publication of this product data sheet all previous ones become void.

Date of update: 2015-08-05