



ATLAS CERMIT BA-M

mineral render imitating texture of architectural concrete

- perfectly imitates texture of architectural concrete
- forms modern decorative effect, enables creation of various textures
- hydrophobic
- resistant to biological corrosion



EASY IN USE



FOR WALLS



FROST- AND WATERPROOF



INDOORS AND OUTDOORS



APPLY WITH FLOTT

Properties

ATLAS CERMIT BA-M is a mixture of hydraulic binders, selected aggregates, modifying agents and a water repellent.

Highly resistant to micro-cracking – owing to specially selected fillers and additional structural reinforcement with microfibers.

High operational durability of the coating – owing to the use of redispersible polymers, microfibers and special additives and modifiers:

- improved mortar durability, resistance to precipitation and UV radiation,
- improved resistance to the growth of microorganisms,
- ensured aesthetic appearance of a façade over a long period of time.

Additional improvement of render strength during its exploitation – obtained owing to a natural process of carbonation of mineral renders, which causes:

- decreased absorptivity,
- structure hardening,
- increased resistance to chemical aggression.

MYCO PROTECTION – hydrophilization, high rendering coat alkalinity and content of substances preventing biological corrosion growth, forms incompatible condition for fungi, algae and lichens growth on a façade surface.

Special care for natural environment at the ATLAS CERMIT BA-M manufacturing stage – taking into account the requirements of sustainable development, confirmed by the Type III Environmental Declaration.

Colour and texture:

smooth, imitating architectural concrete

Aggregate grain size:

up to 1.5 mm

Use

ATLAS CERMIT BA-M is designed for application of structures imitating architectural concrete and drawn plaster – forms durable and decorative façade finishing coat. Possible application upon whole façade as well as over fragments only.

ATLAS CERMIT BA-M is recommended for application of decorative rendering coats:

- on external wall insulation systems with the use of polystyrene boards (EPS) and mineral wool,
- on even, properly prepared mineral substrates (e.g. concrete, typical cement and cement-lime renders).

AREA OF APPLICATION

façade with external wall insulation system with EPS	+
façade with external wall insulation system with XPS	+
façade with external wall insulation system with mineral wool	+
façade on a single-layer wall	+

BUILDING TYPE

residential building	+
public, educational, office, healthcare facilities	+
commercial and service buildings	+
industrial buildings	recommended ATLAS CERMIT N-100
industrial warehouses	recommended ATLAS CERMIT N-100
infrastructure	recommended ATLAS CERMIT N-100
outbuildings	recommended ATLAS CERMIT N-100
heritage buildings	+
passive buildings	+
energy-efficient buildings	+

BUILDING LOCATION

urban areas	+
industrial, investment areas and economic zones	+
rural areas	+
wet and damp areas, surroundings of water reservoirs	+
close vicinity of forests and green areas	+
shaded areas	+

SUBSTRATE TYPE

reinforcing layers of indicated external wall insulation systems	+
concrete	+
traditional, cement and cement-lime plasters applied on walls of bricks, blocks and ceramic, cellular concrete or silicate hollow blocks	+
gypsum plasters, plasterboards (indoors)	use ATLAS CERMIT N-100

Technical data


Mixing ratio: water/dry mix	0.24 ÷ 0.26 l/1 kg 6.00 ÷ 6.5 l/25 kg
Temperature during application (substrate and ambient)	from +5°C to +30°C
Pot life	approx. 3 hours*
Maturing time	approx. 5 minutes*
Impregnating sealer application	3 days**
Diffusive resistance	0.14 m < S _d < 1.4 m
pH	12

*) applicable for conditions: T = +20°C, air humidity 50%

**) depending on atmospheric conditions, time may be longer.

Technical requirements

The render conforms to PN-EN 998-1 standard. Declaration of Performance No. 226/CPR

	PN-EN 998-1:2012 (EN 998-1:2010)
One-coat rendering mortar for outdoor use (OC), manufactured on site. For masonry walls, ceilings, posts and partition walls.	
Reaction to fire - class	A1
Water absorption	W ₁
Water permeability tested after required freeze-thaw cycles	≤ 1 ml/cm ² after 48 h
Water vapour permeability coefficient (μ)	≤ 30
Adhesion tested after required freeze-thaw cycles	0.3 N/mm ² FP:B
Thermal conductivity coefficient (λ _{10, dry})/density	0.82 W/(m·K) average tabular value for 1800 kg/m ³ and P=50% (EN 1745:2012 tab. A.12)
Durability: - Adhesion after required freeze-thaw cycles - Water permeability tested after required freeze-thaw cycles	0.3 N/mm ² FP:B ≤ 1 ml/cm ² after 48 h
Release/content of hazardous substances	SEE: Safety Data Sheet

ATLAS CERMIT BA-M is listed in the following approvals and forms an element of sets of products for application of external wall thermal insulation systems:

System name	Technical Approval No.	Certificate No.
ATLAS ETICS	AT-15-9090/2016	ITB-0562/Z
ATLAS RENOTER	AT-15-8477/2016	ITB-0456/Z
ATLAS ROKER	AT-15-2930/2016	ITB-0436/Z

Rendering

Substrate preparation

The substrate should be:

- **stable** – sufficiently rigid and appropriately long stabilized,
- **even** – irregularities and gaps should be filled with, e. g. leveling mortars ATLAS ZW 50, ATLAS ZW 330, ATLAS PLASTERING 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 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,
- **dry**,
- **primed** – with ATLAS CERPLAST mass in grey colour (priming is necessary even when the reinforcing layer is made of adhesive which does not require a priming mass, such as HOTER U2-B or ATLAS STOPPER K-50).

Detailed requirements for substrates:

Substrate type	Requirements for stabilisation	Priming
Base coat of external thermal insulation systems (ETICS) made of ATLAS adhesive mortars	min. 3 days*	ATLAS CERPLAST
Fresh cement plasters made of ATLAS mortars, traditional cement and cement-lime plasters	min. 7 days*, humidity ≤ 4%	ATLAS UNI-GRUNT
Concrete	min. 28 days*, structural humidity ≤ 4%	ATLAS CERPLAST

*) Note: for setting conditions: temperature +20°C, air humidity 50%

Rendering mass preparation

Pour the material from the bag into a bucket and mix dry. Next, pour the mix into a container with suitable amount of water (see Technical Data for ratio) and mix mechanically until homogenous. Leave the mass for 5 minutes and remix. The mass should be used within approx. 3 hours. During application, mix the mass from time to time in order to keep homogenous consistency.

Mass application and texture forming

Mass should be applied manually. Depending on the expected effect, application can be carried out in one or two steps.

One-step application – apply product by rubbing it into a substrate with a smooth steel trowel. Then apply the subsequent coat of material with the "wet on wet" method with a notched trowel 4-6 mm. Smoothen the whole surface to obtain an expected decorative effect. More structural effect can be obtained by using a sponge roller or a brush float right after the render application.

If mass gets dry, smoothen it with a float edge. Depending on the expected effect, part of the pores will be sealed. Remember to keep a float clean while forming the structure.

Two-step application – apply the product in a coat of thickness same as an aggregate grain size, use a smooth stainless steel trowel or a venetian trowel (step 1.). When the first coat gets dry, the second coat should be applied and excessive mass scraped off. Then, initially smoothen the surface to receive an expected structural effect (step 2.). It is recommended to moisten the first coat before applying the second coat which prolongs the render open time. More visible effect can be obtained by using a sponge roller or a brush float over the surface right after application of the second coat. During initial setting, surface should be smoothened with a venetian trowel. It is possible to obtain "burnt" effect with a venetian trowel. Surface can be divided into smaller sections - gently scrape the mass with e.g. a flat screwdriver and a spirit-level.

Impregnation

Render should be protected with an impregnating sealer. The sealer should be applied after drying and initial setting of the render, usually after approx. 3 days. The render should be protected from precipitations and excessive sunlight action before impregnation. Undiluted impregnating sealer should be applied uniformly with a brush or a painting roller. To obtain an expected effect, the preparation should be applied in two layers. The next layer of the sealer can be applied when the first layer is completely dry, after approx. 1 hour.

Consumption

The actual consumption can be established on basis of a sample application upon a particular substrate. Average consumption: < 3.0 kg/1 m².

Packaging

Paper bags: 25 kg

Important additional information

- Maximum surface for application in one technological cycle (application and smoothing) should be established experimentally (for current substrate type and atmospheric conditions). 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, 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. In conditions of increased humidity and temperature around +5°C, the time of setting can be longer.
- In order to avoid difference in façade colour, use render of the same manufacturing date on a single surface.
- Product cannot be applied on horizontal surfaces, exposed to permanent action of water and snow and on surfaces exposed to humidity resulting from capillary action.
- Product cannot be applied on surfaces prepared with ATLAS STOPPER K-100.
- 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, original and labelled bags, in dry conditions (most preferably on pallets). Keep away from direct sunlight. Store in dry cool and well ventilated room, away from incompatible materials (see section 10 of the Safety Data Sheet), beverages, food. Protect against humidity – product gets irreversibly solid under exposure to 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%.

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. An up-to-date technical product documentation is available at www.atlas.com.pl/en

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