



ATLAS CERMIT BA-M

architectural concrete effect mineral render

- perfectly imitates the surface of architectural concrete
- freedom of texture creation
- highly vapour-permeable



Properties

ATLAS CERMIT BA-M is a mixture of hydraulic binders, selected aggregates and modifying additives and a hydrophobiser.

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

High durability of the surfacing during use - through the addition of redispersible polymers, microfibres and special additives and modifiers:

- increased durability of the coating, weather resistance and UV resistance,
- resistance to microbial growth has been increased,
- ensures that the aesthetic appearance of the façade is maintained over the long term.

Additional improvement of the render's resistance parameters during its use - is achieved due to the positive effect of the natural carbonation process of mineral renders, which causes:

- reduced absorption,
- structure hardening,
- increased resistance to chemical aggression.

The exceptional care for the environment at the manufacturing stage of ATLAS CERMIT BA-M - taking into account the requirements of sustainable development - is confirmed by a Type III Environmental Declaration.

Colour and texture smooth, imitating architectural concrete
aggregate thickness up to 1.5 mm

Purpose

ATLAS CERMIT BA-M is used for the creation of surfaces imitating the texture of concrete and the structure of drawn render - it creates a permanent and decorative finish of the façade surface. It can be executed on the whole façade surface interspersed with bonia or its fragments.

ATLAS CERMIT BA-M is intended for the application of decorative and protective thin-coat renders:

- in complex systems for insulating external walls of buildings with the use of polystyrene (EPS) boards and mineral wool,
- on even, properly prepared mineral substrates (e.g.: concrete, traditional cement and cement-lime render).

PLACE OF USE	
façade in an insulation system with polystyrene boards	+
façade with mineral wool insulation system	+
single-layer wall façade	+

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

TYPES OF FACILITIES	
housing construction	+
public, educational, office and healthcare buildings	+
commercial and service construction	+
industrial construction	Recommended ATLAS CERMIT N-100
industrial warehouses	Recommended ATLAS CERMIT N-100
traffic construction	Recommended ATLAS CERMIT N-100
farm and livestock buildings	Recommended ATLAS CERMIT ND
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	+

Technical data

Mixing ratio: water / dry mortar	0.24 ÷ 0.26 l / 1 kg 6.0 ÷ 6.5 l / 25 kg
Application temperature (substrate and ambient)	from +10 °C to +25 °C
Relative air humidity during application and setting	< 80%
Mortar pot life	approx. 3 hours*
Maturation time	approx. 5 minutes*
Waterproofing	3 days**
Diffusion resistance	0.14 m < S _d < 1.4 m
pH	12

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

**) depending on prevailing weather conditions this period may be extended.

Technical requirements

ATLAS CERMIT BA-M meets the requirements of PN-EN 998-1 - one coat render mortar for external use (OC), manufactured in the factory. For masonry walls, ceilings, columns and partition walls.

ATLAS CERMIT BA-M (2020) Declaration of performance No. 226/1/CPR EN 998-1:2016	
Intended use: on external walls ceilings and columns, for walls, ceilings, columns and partitions.	
Reaction to fire	A1
Water absorption	IN 1 _c
Water permeability 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 BA-M 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 RENOTER	ITB-KOT-2021/2020 Issue 1
ATLAS ROKER	ITB-KOT-2021/1919 Issue 2
ATLAS ROKER G	ITB-KOT-2018/0583 Issue 1

Rendering

Substrate preparation

The substrate should be:

stable - sufficiently stiff and sufficiently long seasoned and primed,
even - unevenness and cavities should be filled in using, for example, 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 GRUNT NKP (ready to use - without dilution),
- ATLAS UNI-GRUNT COLOUR,

cleaned - from layers that may impair adhesion of 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 need to be removed using ATLAS MYKOS PLUS,

dry,

primed - with ATLAS CERPLAST grey mass (priming is necessary even in case of using for the reinforcement layer non-bonding adhesives such as ATLAS HOTER U2-B or ATLAS STOPPER K-50.

Specific requirements for substrates

Substrate type	Requirements concerning seasoning	Method priming
reinforced layers in thermal insulation systems, made with ATLAS mineral adhesive mortars	min. 3 days*	ATLAS CERPLAST
new cement renders made with ready-to-use ATLAS plastering mortars, traditional cement and cement-lime renders	min. 7 days * moisture content $\leq 4\%$ *	ATLAS CERPLAST
concrete substrates	min. 28 days* structural moisture $< 4\%$ *	ATLAS CERPLAST

*) - Note: Applies to setting conditions: T= +20° C, humidity 50%.

PREPARATION OF THE RENDERING MIX

When preparing the render for manual application, pour the material from the bag into the bucket and stir dry (aggregate segregation may have occurred during transport). Then, pour the mixture into a container with water (proportions given in the Technical Data) and stir manually or mechanically until a homogeneous mass is obtained. The mixed mixture should be set aside for 5 minutes and mixed again. Once prepared, it must be used within approx. 3 hours. While working, the mixture should be stirred from time to time in order to homogenise the consistency.

APPLICATION OF COMPOUND AND TEXTURING

The compound should be applied to the substrate by hand. Depending on the desired effect, the work can be carried out in one or two stages.

The one-step execution consists in preliminary rubbing the render into the substrate with a smooth float and then apply the compound with the wet-on-wet method with a 4 - 6 mm notched trowel. The entire surface should be smoothed until the initial desired decorative effect is achieved. A more pronounced effect can be obtained by using a large mesh sponge roller or a brush float, texturing the surface immediately after the render application. During the drying phase, smooth the render with the edge of the float. Depending on the desired effect, some of the pores will be closed. Remember to keep the trowel clean while smoothing.

The two-stage execution consists in applying the render in a layer of aggregate thickness, using a smooth stainless steel float or a Venetian trowel (stage 1). Once dry, apply a second coat while scraping off excess mass and pre-smooth the surface to achieve the desired texture (stage 2). Before applying the second coat, it is advisable to moisten the first coat, which significantly extends the open time of the render. A more pronounced effect can be obtained by using a large mesh sponge roller or brush float, texturing the surface immediately after the application of the second coat. During the initial setting, the surfaces should be smoothed with a Venetian trowel. A "scorching" effect on the surface is also possible with a Venetian trowel.

Surfaces can be subdivided into smaller areas by gently scratching the compound with, for example, a flat screwdriver and a spirit level (in selected areas).

IMPREGNATION

The render should be impregnated. The impregnation should be applied after the render has dried and initially set, usually after about 3 days. During this time, the render should be protected against precipitation and excessive sunlight. The preparation should be applied evenly on the substrate in undiluted form with a brush or a paint roller. To ensure the desired effect, the product should be applied in two in two coats. The next coat can be applied after the first one is completely dry, i.e. after about 1 hour.

Consumption

Average consumption < 3.0 kg render per 1 m^2 . The exact consumption value can be determined by a test carried out on the rendered substrate.

Packaging

Paper sack 25 kg

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

It is necessary to determine experimentally (for a given type of substrate and given weather conditions) the maximum area possible to be covered in one technological cycle (stretching and blending). When covering one surface, the grouted batch must not be allowed to dry before the next batch is stretched. Otherwise, the place of this joint will be visible. Technological breaks should be planned in advance, e.g.: in the corners and folds of 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 between approx. 12 and 48 hours. In conditions of increased humidity and a temperature of approx. +5 °C, the setting time of the render may be prolonged.

In order to avoid possible differences in colour shades, render of the same date of manufacture should be applied to one surface, and work should be carried out in similar weather conditions.

The use of the product on horizontal surfaces exposed to permanent direct contact with water and snow, on surfaces exposed to dampness due to capillary rise of moisture, is excluded.

It is not allowed to use the product on substrates prepared with ATLAS STOPTER K-100 adhesive.

Clean the tools with clean water, immediately after use. Hard to remove residues of the set compound should be removed 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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Update date: 2023-03-30