



ATLAS KB-15

thin-layer masonry mortar (grey)

- for cellular concrete elements (aerated concrete)
- for blocks, bricks, hollow bricks
- prevents thermal bridges
- compressive strength - category M-5



FOR INTERIOR
AND EXTERIOR USE



FROST
AND WATERPROOF



2-10 mm
LAYER
THICKNESS



APPLY WITH
A NOTCHED TROWEL

Properties

ATLAS KB-15 is produced as a dry mixture of cement binder, aggregates and modifying agents.

Compressive strength - category M5.

Easy and convenient to use - characterised by very good workability, plasticity and high adhesion.

High performance - the ability to control layer thickness when applied with a notched trowel or dispenser reduces mortar consumption and speeds up the work.

So called anti-freezing agents may be added to mortar allowing works in lower temperatures, i.e. below +5°C - the new temperature range of mortar application, method of its preparation (especially the correction of the amount of added water), principles of works and mortar setting conditions should be adopted according to the additive manufacturer's indications; the amount of the added anti-freezing agent depends on the cement content in the mortar - the ratio of cement:fillers in ATLAS KB-15 mortar is 1:2.
Note. The mortar manufacturer is not responsible for the effects and quality of the anti-frost additives used.

Purpose

Recommended for the construction of cellular concrete (aerated concrete) walls.

Prevents thermal bridges - ensures uniform thermal insulation parameters throughout the partition.

Used for thin joint masonry - recommended layer thickness from 2 to 10 mm (optimum thickness: 2-3 mm).

Type of masonry - cellular concrete (aerated concrete), but also bricks, hollow blocks and other such ceramic, lime sand and concrete materials.

Technical data

Mixture proportions water/dry mix	0.21÷0.24 l / 1 kg 5.25÷6.00 l / 25 kg
Min/max mortar layer thickness	2 mm / 10 mm
Temperature of mortar preparation and substrate and ambient temperature during the work	from +5 °C to +30 °C
Pot life	4 hours
Time of correction	≥ 10 minutes
Aggregate fraction	≤ 1.6 mm

Technical requirements

ATLAS KB-15 masonry mortar meets the requirements of PN-EN 998-2:2016 - masonry mortar produced in the factory, according to the design, for thin joints (T), for use inside and outside, in elements subject to structural requirements, intended for reinforced and un-reinforced masonry, for masonry walls, columns and partition walls.

ATLAS KB-15 (2020) Declaration of performance No. 008/2/CPR EN 998-2:2016	
Intended use: in masonry walls, columns and partitions	
Compressive strength	5.0 N/mm ²
Chloride content	0.1% Cl
Reaction to fire	A1
Water absorption	0.05 kg/m ² min ^{0,5}

The product has ITB Certificate of Conformity No. **1488-CPD-0013/Z**.

Masonry

Preparation of cellular concrete parts

The surfaces of the elements to be joined should be cleaned of dust and chipped fragments. In order to obtain a thin joint with an even mortar thickness over the entire length of the layer, it is advisable to sand and dust off the surface of the previously laid elements each time.

Weather conditions

Both the weather conditions under which the work is carried out and the conditions under which the mortar will set and dry must be taken into account before the work starts.

Mortar preparation

Pour the material from the bag into a clean container with a measured amount of water (proportions given in the Technical Data) and mix with a drill with a mixer (or in a concrete mixer) until a uniform consistency is obtained. The mixed adhesive should be set aside for 5 minutes and mixed again. The mortar should be used within approximately 4 hours.

Masonry

Work must be carried out in accordance with the technology for masonry walls of cellular concrete blocks. Use ATLAS MASONRY MORTAR to lay and level the first layer. ATLAS KB-15 mortar should be spread evenly with a serrated spatula on the horizontal plane of the previously made layer. The mortar should be also applied on vertical joint planes of the shaped pieces, unless the technology provides for another way of their connection. Each successive element to be laid should be pressed and tapped with a rubber hammer to the desired position.

Consumption

Wall thickness homogeneous	Joint thickness 3 mm	From a 25 kg bag
12 cm	approx. 4 kg/m ²	approx. 6,2 m ²
18 cm	approx. 6 kg/m ²	approx. 4,2 m ²
24 cm	approx. 8 kg/m ²	approx. 3,1 m ²
30 cm	approx. 10 kg/m ²	approx. 2,5 m ²
36 cm	approx. 12 kg/m ²	approx. 2,1 m ²

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 date of manufacture on the packaging.

Important additional information

The proportion of water added should be adjusted experimentally, taking into account the desired consistency of the mortar, the type of substrate and weather conditions. The use of an inappropriate amount of water for the preparation of the mix leads to a reduction in the strength parameters of the plaster.

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

The information contained in this Technical Data Sheet is intended as 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.

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