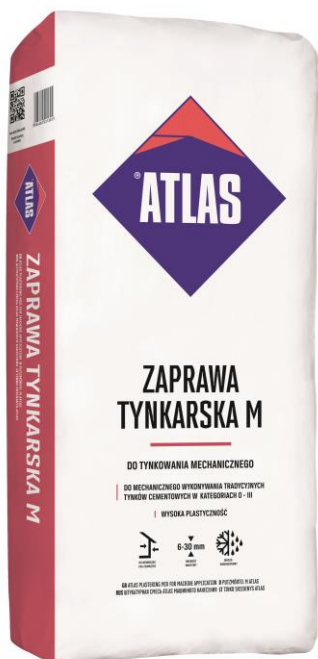




ATLAS PLASTERING MIX M for mechanical application

- for mechanical application of traditional cement plaster in category 0-III
- high ductility
- increased adhesion to the substrate
- layer thickness 6-30 mm
- plastering of walls and ceilings



FROST
AND WATERPROOF



INDOORS
AND OUTDOORS



MACHINE
APPLICATION



APPLY
WITH FLOAT



LAYER
THICKNESS

Properties

ATLAS PLASTERING MIX M is produced as a dry mixture of the highest quality cement binder, quartz fillers and refining additives.

High strength: category CS II ($1.5 \div 5.0 \text{ N/mm}^2$).

So called anti-freezing agents may be added to the mortar allowing for works in lower temperatures, i.e. below $+5^\circ\text{C}$ - the new temperature range of mortar application, mortar preparation method (in particular adjustment of the amount of water added), working principles and mortar setting conditions should be adopted according to the additive manufacturer's indications. The amount of anti-freeze additive depends on the cement content in the mortar - the cement/filler ratio in ATLAS PLASTERING MIX M is 1:4 **Note.** The mortar manufacturer is not responsible for the effects and quality of the anti-frost additives used.

Purpose

It forms a two-layer plaster cat 0-III - the plaster consists of two layers: "preliminary rough coat" and "top coat" (additionally, a filler layer of ATLAS REKORD cement top finish can be made on it).

It is suitable for mechanical plastering

Types of substrates to be rendered - concrete and ceramic ceilings, walls made of bricks, blocks, hollow bricks and other similar ceramic or silicate materials; surfaces made of concrete, aerated concrete, chipboard, cement and cement-lime plaster.

Technical data

Bulk density (dry mix)	approx. 1.6 kg/dm^3
Mixing ratio water / dry mix	$0.13\text{-}0.16 \text{ l} / 1 \text{ kg}$ $3.9\text{-}4.8 / 30 \text{ kg}$
Min. / max. plaster thickness	6 mm / 30 mm
Mortar preparation temperature of the substrate and ambient temperature during the work	from $+5^\circ\text{C}$ to $+30^\circ\text{C}$
Maturation time	approx. 5 minutes
Standby time	approx. 4 hours

Technical requirements

The product complies with the requirements of EN 998-1 - plaster mortar with specified properties manufactured in-house, general purpose GP, for interior and exterior use on walls, ceilings, columns and partitions.

ATLAS PLASTERING MIX M (2019) Declaration of performance No. 006-2/2/CPR EN 998-1:2016	
Intended use: for external walls, ceilings and; for walls, ceilings, columns and partition walls.	
Reaction to fire	A1
Water absorption	$\text{IN } 1_c$
Water vapour permeability	$\mu \leq 30$
Adhesion	0.3 N/mm^2 - FP:B

Plastering

Substrate preparation

The substrate should be dry, stable, even and load-bearing, i.e. sufficiently strong, cleaned of all layers that could impair mortar adhesion, especially dust, dirt, lime, oil, grease, wax, residues of release agents and paint. Poorly bonded parts of the substrate should be chipped and loose or sagging parts should be removed with a steel brush. The edges of the chipboard-cement board joints should be reinforced with Rabitz-type stainless steel mesh strips before plastering. Corners and edges at window and door openings should be secured by embedding galvanised steel profiles. If there is a need to reduce the absorbency of the substrate, the use of one of the emulsions is recommended:

- ATLAS GRUNT NKP (ready to use - without dilution),
- ATLAS UNI-GRUNT.
- ATLAS UNI-GRUNT COLOUR,
- ATLAS UNI-GRUNT ULTRA.

Preparation of the mortar

Prepare the mortar in a plastering unit. Proportion of water to be added should be adjusted experimentally (not exceeding the range specified in the TECHNICAL DATA), taking into account the mortar's desired consistency, type of ground and weather conditions. The use of improper amount of water for mortar preparation leads to lower strength parameters of the plaster.

Application of plaster

The plaster should be applied as a two-layer plaster. The use of guiding render strips helps to achieve even render surfaces. They are fixed mechanically or by sinking in the mortar (mesh laths).

The first stage of plastering is the execution of the 'preliminary roughcast'. After it has set (but before it has hardened), the "top coat" should be applied. The plaster in both stages is applied with a plastering unit. The fresh render can be levelled with a long lath using guide strips.

Trowelling plaster

The point at which trowelling should be carried out should be determined experimentally (depending on local conditions) so that the surface of the render does not dry out too much. Trowelling is usually carried out after application of an additional thin layer of mortar corresponding to the aggregate thickness. The finishing work should be carried out according to the plastering work technology, using tools appropriate to the expected finishing effect and the purpose of the plaster. If the plaster is to serve as a base for ceramic cladding, it should not be trowelled or rubbed at all. If the plaster is to be used as a base for gypsum smoothness, it should be trowelled with a polystyrene trowel.

Care

Ensure good ventilation in the rooms during drying. Protect plasters from drying too quickly, e.g. by spraying them with water.

Painting

The plastered surfaces may be painted with any facade paints (e.g. ATLAS SALTA, ATLAS SALTA S, ATLAS SALTA E, ATLAS SALTA N and ATLAS SALTA N PLUS) or interior paints (ATLAS ecoFARBA, ATLAS optiFARBA or ATLAS proFARBA). The commencement of painting works is possible after 2÷6 weeks from the completion of plastering (depending on the type and colour of paint). Painting with ATLAS SALTA S silicate paint can be started as soon as the plaster is dry, however, not earlier than after three days.

Performance

One 30 kg package can be used to make approx. 1.6-1.7 m² of plaster 10 mm thick.

Packaging

30 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 production date on the packaging.

Important additional information

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

The information contained in this Technical Data Sheet is a basic guide to the use of the product and does not exempt from the obligation to carry out the work in accordance with the rules of the trade and in compliance with health and safety regulations. With the issue of this Technical Data Sheet, all previous ones are no longer valid.

The contents of the Technical Data Sheet and the designations and trade names used therein are the property of Atlas Ltd. Their unauthorised use will be sanctioned.

Update date: 2022-11-14