



ATLAS MONTER T-15

fast setting assembly mortar

- for anchoring construction elements
- does not cause corrosion of steel elements
- strong adhesion to substrate
- grout under machines and equipment
- rapid strength build-up



Use

Recommended for anchoring construction elements – in masonry, concrete and ferroconcrete substrates, on horizontal surfaces.

Provides permanent fixing already after 15 minutes – when assembling steel anchors, anchoring bolts, fencing poles, balcony and stairs railings, etc.

Enables execution of grouts – when efficient and precise positioning of machines, beams, guides or poles in concrete substrate is required.

Recommended for filling spaces between stone and concrete sidewalk tiles – wherever the sufficiently long technological breaks are not possible.

Types of repaired elements – concrete and ferroconcrete construction elements.

Properties

Liquid consistency – therefore fills the space between the anchored element and sides of the opening fully and precisely, ensuring permanent and reliable anchoring.

Eliminates the possibility of occurrence of surface cracking of the set mortar – has very low linear contraction.

Technical data

ATLAS MONTER T-15 is manufactured as a dry mix of the high quality cement binder, quartz fillers and improvers.

Bulk density (of dry mix)	approx. 1.4 kg/dm ³
Mass bulk density (after mixing)	approx. 2.1 kg/dm ³
Dry density (after setting)	approx. 2.2 kg/dm ³
Mixing ratio (water/dry mix)	0.12 ÷ 0.13 l/1 kg 3.00 ÷ 3.25 l/25 kg
Min./max. mortar thickness	20 mm / 50 mm
Bonding	min. 1.2 MPa
Compressive strength	after 24 hours > 25.0 MPa after 28 days > 60.0 MPa
Flexural strength	after 24 hours > 3.5 MPa after 28 days > 9.0 MPa
Mortar preparation temperature, substrate and ambient temperature during work	from +5°C to +30°C
Pot life	approx. 15 minutes
Open time	approx. 15 minutes

Technical requirements

The product has been given the ITB Technical Approval No. AT-15- 4332/2011. Domestic Declaration of Conformity No. 033 of 01.06.2011. Factory Production Control Certificate No. ITB-0017/Z. The product has been given the Hygiene Certificate No. HK/W/0335/02/2013 by the National Institute of Hygiene and the Radiation Hygiene Certificate.

Elements anchoring

Substrate preparation

The substrate should be strong enough and free from layers which would impair mortar bonding, in particular dust, dirt, lime, oil, grease, wax. Prepare the element to be anchored in a similar way, i.e. clean of rust and old paint coatings. In order to reduce the absorptivity, wet the substrate surface and the element surface (if made of concrete or ferroconcrete) before the application of the mortar.

Mass preparation

Pour the mortar from the bag into a clean container with the suitable amount of water (see Technical Data for ratio) and mix using a mixer with a drill until homogenous. The mortar should be used up within approx. 15 minutes.

Anchoring the element

Size of clearance to be filled with mortar, between the sides of the opening and fixed element, as well as the grout should be 25-50 mm thick. In justified cases, e.g. grout installation, the area of the mortar application should be boarded. The anchored element should be placed in the prepared opening or groove and properly stabilized in order to prevent displacement during the mortar pouring. The free space around the element should be filled with ATLAS MONTER T-15 mortar.

Note: Do not change the position of the anchored element when the mortar is setting.

Consumption

The average consumption is 2 kg of dry mix for 1 dm³ of filling mass.

Important additional information

- During application and directly after, the surface should be protected against precipitation and excessive drying (moist with water or cover with foil, if required).
- Water reservoirs designated for drinking water should be washed with water after the product ageing.
- Tools must be cleaned with clean water directly after use. Difficult to remove residues of the set mortar can be removed with the 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 mortar 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.

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