

# BOLIX M10 GREY

## Thin-Bed Mortar



### PRODUCT DESCRIPTION:

- prevents thermal bridging
- water vapour permeable
- no surface wetting necessary prior to mortar application
- high coverage
- easy to apply

### USE:

BOLIX M10 Grey is suitable for thin-joint blockwork including masonry and partition walls of aerated concrete blocks and silicate blocks. It can also be used to join or bed concrete or ceramic masonry wall units, which meet dimension requirements for thin-joint brick or blockwork.

### SUBSTRATE PREPARATION:

The surface must be structurally sound, stable, even, clean of surface contaminants that may affect adhesion such as dust, grease, bitumen and other barrier materials. Remove any friable material such as peeling or flaking paint, loose or crumbling particles from the blocks. Surface of the masonry elements must be even, clean and free of any loose particles. To achieve thin joints, sand and dust off the surface of previously bedded masonry units.

### PRODUCT PREPARATION:

Measure the clean water (5.5 ÷ 6.0 litre) into a suitable vessel/bucket and slowly add the mortar while mixing using a low-speed drill until a homogeneous consistency is achieved. Allow it to sit for 5 minutes then mix again. The mortar is ready to use. Add the same amount of water for each packaging. Do not admix. Add only water.

### APPLICATION:

During bedding, follow the instructions provided by the manufacturer of masonry blocks. Carry out the works according to construction good practice and rules of the trade. To bed and level the first course of masonry blocks, use the mortar BOLIX W. Using a notched spreader - putty knife or a scoop with serrated edge, spread the bedding mortar BOLIX M10 evenly on the bedding surface. The mortar should also be spread on the vertical surfaces to provide head joints between the blocks, unless other jointing technology is provided for. Before a skin forms on the mortar surface, press, butt and tap each block into position with a rubber mallet.

### LIMITATIONS AND RECOMMENDATIONS:

- Plan the surface area to be bedded taking into consideration weather conditions, surface type and workforce.
- Blocks or units to be bedded cannot be damp or frozen.
- Protect from direct sunlight exposure, precipitation and wind during application operation and drying.
- If some blocks have been positioned in a wrong way, remove them and clean of the mortar. Apply a new mortar layer and continue with bedding the blocks.
- Low temperature, increased humidity and improper air circulation extend the drying and setting time of the bedding mortar.
- Clean tools and hands with running water immediately after use. After drying difficulties with cleaning may be experienced.
- Wipe new stains off soiled surfaces with damp cloth. Once hardened, the material can only be removed mechanically.

### PRECAUTIONS:

Due to alkylid reaction of the product, avoid contact with skin and eyes. In case of eye contact, flush eyes with plenty of water and seek medical advice.

### TOOLS:

- Agitator or low-speed drill (400÷500 rpm) with mixing hoop paddle
- Bucket
- Stainless steel scraper and bucket trowel
- Notched spreader - putty knife or scoop with serrated edge (matching the masonry wall depth) for bedding
- Rubber mallet
- Builder's string line

### TECHNICAL DATA:

The following technical data are for the temperature of +23 (±2)°C and relative air humidity of 50 (±5)%. Under other conditions the technical data may vary.

**Ambient and surface temperature at application and setting:**  
from +5°C to +25°C

**Relative humidity at application and drying and setting:**  
up to 80%

**Density after mixing with water:**  
approx. 1.50 g/cm<sup>3</sup>

**Density of hardened mortar:**  
approx. 1.40 g/cm<sup>3</sup>

**Colour:**  
grey

**Grain size:**  
< 1.4 mm

**Optimum coat thickness:**  
2÷5 mm

**Pot life:**  
≤ 4h

**Adjustment time:**  
≥ 9 min

**Reaction to fire:**  
class A1

**Shear strength according to PN-EN 998-2:**  
≥ 0.3 MPa

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**Compressive strength according to PN-EN 998:-2**

≥ 10 MPa (class 10)

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**Chloride content:**

< 0.019%

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**Vapour permeability coefficient  $\mu$  according to PN-EN 998:-2**

15/35 (table value)

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**Coefficient of heat conductivity  $\mu$  according to PN-EN 998:-2**

≤ 0.83 W/(m\*K)

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**Water absorption according to PN-EN 998:-2**

≤ 0.08 kg/(m<sup>2</sup>\*h<sup>0,5</sup>)

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**Performance (freeze/thaw cycles) - weight loss acc. to PN-EN 998-2:**

< 3%

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**Performance (freeze/thaw cycles) - compressive strength according to PN-EN 998-2:**

≥ 10 MPa (class 10)

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**Packaging:**

25 kg bag

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**No. of containers per pallet and weight:**

48 / ca. 1200 kg

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**Shelf life:**

12 months from the date of production provided on the packaging

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### APPROXIMATE COVERAGE:

Coverage **approx. 4 kg/m<sup>2</sup> for 3mm bed joints and masonry wall 24cm thick** - bed joint only blockwork. To determine precise coverage, perform a patch test on the surface.

### STORAGE:

Store in intact containers in temp. between +5°C and +25°C. Protect from damp. Store away from the reach of children.

### COMPOSITION:

It is a mixture of hydraulic binders, polymers, mineral fillers and modifiers.

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