

ARDEX B 552

Wall Levelling Mortar

Advantages



- **Excellent adhesion and crack resistance**
- **Easy application, levelling and finishing**
- **Good sag resistance, suitable for wall levelling applications**
- **Application thickness of up to 15 mm in a single layer**
- **Water- and moisture-resistant, suitable for interior and exterior walls in dry and wet areas**

Description

ARDEX B 552 is a polymer-modified wall levelling mortar formulated with selected cement, graded sand and functional additives.
When mixed with water, the product forms a smooth, lump-free and easy-to-apply mortar with good adhesion, workability and sag resistance, facilitating application, levelling and finishing. It can be applied at a thickness of up to 15 mm in a single layer and is suitable for levelling interior and exterior walls in dry and wet areas, providing a flat and sound substrate for subsequent applications.

Areas of Application

ARDEX B 552 is suitable for levelling interior and exterior walls in dry and wet areas. It is particularly suitable for wall levelling applications in moisture-prone areas such as kitchens and bathrooms

Substrate Preparation

The substrate must be clean, sound and free from dust, dirt, grease, curing compounds, loose particles and any other substances that may impair adhesion, to ensure good adhesion to the substrate.
Following substrate preparation, select the appropriate ARDEX priming product and application method for subsequent work.

Mixing

Pour clean water into a clean mixing container and then add ARDEX B 552. Use approximately 4.0–4.6 L of clean water for each 20 kg bag of powder.
Mix with an electric mixer for approximately 3 minutes. Allow the mixture to stand for approximately 2 minutes, then mix again for approximately 1 minute until a smooth, lump-free and easily workable mortar is obtained.

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Application

Priming

For normally absorbent substrates, such as cementitious render and concrete without a dense cement slurry surface, apply ARDEX P 150 evenly over the substrate. Apply ARDEX B 552 wet-on-wet while the primer remains wet.

For highly absorbent substrates, such as ALC lightweight blocks, apply ARDEX P 60 emulsion primer evenly to reduce the absorbency of the substrate. ARDEX B 552 may be applied directly after completion of the priming treatment.

For non-absorbent or low-absorbent substrates, such as concrete with a dense cement slurry surface, it is recommended to first grind the surface using a grinder fitted with a diamond grinding disc. ARDEX P 150 should then be applied to create a textured bonding layer. Allow the bonding layer to dry before applying ARDEX B 552.

In all cases, carry out a small trial application before proceeding with full-scale application.

Screed Guide Installation and Levelling

Depending on the flatness of the wall and the required levelling thickness, ARDEX B 552 may first be used to form screed guides to control the thickness, vertical alignment and flatness of the levelling layer, as well as the squareness of adjacent walls.

Full-area levelling may commence once the screed guides have reached a suitable condition for further application.

Full-Area Application

Apply the mixed ARDEX B 552 evenly over the substrate and compact it thoroughly to ensure close contact between the mortar and the substrate.

Apply and spread the mortar using suitable plastering tools, then level the surface with a straightedge. Finish the surface as required according to the flatness of the wall and the requirements of the subsequent application.

Application Thickness

The application thickness of ARDEX B 552 should not exceed 15 mm in a single layer.

Where a levelling thickness greater than 15 mm is required, the product must be applied in multiple layers and must not be applied to the full thickness in a single application. Before applying the subsequent layer, ensure that the previous layer has reached a suitable condition and carry out the appropriate interlayer surface treatment as required.

Subsequent Applications

Subsequent applications should only be carried out after the ARDEX B 552 levelling layer has sufficiently hardened and dried. The actual waiting time depends on factors including the application thickness, ambient temperature, relative humidity and ventilation conditions. A longer waiting time will be required where the application is thicker, the ambient temperature is lower or the relative humidity is higher.

Before applying waterproofing products, fixing tiles or carrying out other subsequent work, check the strength, dryness and surface condition of the levelling layer and follow the relevant requirements specified in the TDS of the subsequent product.

Consumption

Approximately 1.4 kg/m²/mm.

Based on a 20 kg bag, the approximate coverage is:

At an application thickness of 5 mm: approximately 2.9 m² /bag

At an application thickness of 10 mm: approximately 1.4 m² /bag

At an application thickness of 15 mm: approximately 1.0 m² /bag

The coverage figures above are provided for material estimation only. Actual coverage should be determined according to the on-site substrate conditions and material wastage during application.

Notes

Application temperature: 5°C–35°C.

Do not apply in rainy or snowy weather.

Do not retemper material that has begun to set by adding water.

Packaging

ARDEX B 552 is packed in paper sacks incorporating a polyethylene liner – net weight 20kg.

Standard

GB/T25181-2019

Storage & Shelf Life

Shelf life 12 months when unopened and stored in a cool, dry place.

Health & Safety

Wear work clothing, gloves, and protective goggles during use.

After work, wash contacted skin with water and soap.

If product accidentally splashes into the eyes, rinse immediately with plenty of clean water and seek medical attention.

Keep out of reach of pregnant women and children.

Ensure adequate ventilation during use.

We guarantee the flawless quality of our products. Our processing recommendations are based on tests and practical experience; however, they can only be general information without any guarantee of properties, as we have no influence on the building site conditions and the execution of the work. Country-specific regulations based on regional standards, building regulations, processing or industry guidelines may lead to specific processing recommendations.