

# Jalousiekasten Miwo 040

Mineral-wool shutter box for alsecco façade systems

## AREAS OF APPLICATION

Shutter box made from mineral wool and ready for installation to create a precise and efficient lintel.

## PRODUCT PROPERTIES

- Prefabricated element for fixing shading systems
- Flexible dimensions
- Easy and reliable installation
- Efficient fixing
- Minimised thermal-bridge effect
- Integrated aluminium rail to house the slats stack
- Integrated drainage strip profile with mesh to create a clean render finish
- Integrated airtight electric socket (optional)
- Not suitable for use as fire barrier

## TECHNICAL DATA

Material	Fleece-laminated mineral wool with 10 mm plaster baseboard as apron
Rated value of thermal conductivity	0,040 W/(mK) (Insulation material)
Shape	U-shaped with masonry insulation on the back L-shaped without masonry insulation on the back
Length	max. 2 m as single element Elements of more than 2 m overall length are supplied as split units

## APPLICATION INSTRUCTIONS

Substrate pre-treatment	All substrates must be sound, dry, even (DIN 18202 or 18203, as applicable), clean and free from adhesion-reducing residue. If necessary, pretreat substrates as specified in the application instructions for the adhesive.
Application	Shutter box Miwo 040 must be ordered for the required installation length. The box cannot be cut to size on site. Area of application: The installation limit of the Miwo 040 shutter box is dependent on the characteristic wind suction load. The max. wind suction load is 1.0 kN/m <sup>2</sup> .

**Installation / bonding:**

To achieve a joint that is watertight against driving rain, a joint sealing strip of the appropriate size must be incorporated where the box meets the window frame before the shutter box is fixed in position with adhesive. The shutter box is bonded to the substrate with the aid of mineral bonding mortars, using the spot-and-bead method or a bead near the edge with an additional stripe of mortar in the middle. A minimum contact area of 60 % must be ensured. When working with even substrates, a full bond using the buttering-floating method may be used. Adequate support at the sides, i.e. on the left and right of the opening, must be provided.

**Fixing:**

If the shutter box Miwo 040 is installed first, and not as part of the façade insulation, it must be secured in position to prevent slippage. This involves aligning the shutter box both vertically and horizontally, and then inserting at least two plugs/element/m (e.g. Alsifix Carbon) to hold it in position. It is important that the plugs are not tightened fully, as this avoids the shutter box twisting because the bonding mortar is still soft at this stage. This method is also recommended when several elements are linked together.

**Plug insertion:**

The shutter boxes are fixed in position once the adhesive has hardened. The elements are installed flush with the surface using screw-type plugs, e.g. Alsifix Carbon, with building-regulations approval, and inserting at least 3 plugs/m. The plugs inserted earlier to hold the shutter boxes in position are then tightened fully.

To ensure that the plug discs are flush with adjacent areas when a shutter box is installed together with plaster baseboard, circles must be sunk into the plaster baseboard with the aid of a router bit.

**Linking:**

Shutter boxes with an individual length of more than 2 m are supplied as split units and linked with the shutter-box connecting bracket. Using Joint Sealer MS as adhesive, fix the unperforated side of the connecting bracket to the inside of the shutter-box apron and also use the designated metal screws to fix the perforated side in the aluminium rail. When butting the individual elements together, apply Joint Sealer MS as adhesive. We recommend installing the L-shaped profile 18/40 for shutter boxes at the lower edge of the plaster baseboard. A joint approx. 3 mm wide must be maintained between the profiles.

Joints between the plaster baseboards are sealed with the planned reinforcement mortar before the main area is reinforced. Embed a double reinforcement mesh at the vertical and horizontal interfaces between the plaster baseboards and the insulation for the main area.

**Reinforcement:**

The reinforcement and finishing layer are applied as specified for the system build-up of the ETICS supplied. The weight of the rendering system must be limited to 12 kg/m<sup>2</sup>. Installation as part of an ETICS with ceramic cladding is not possible.

The shutter is attached to the aluminium rail once the ETICS installation has been completed. The maximum self-weight of the shutter system must be limited to 15 kg/m. The shutter system and the electrical connection must be installed by qualified contractors.

Consumption 1,00 m/m

#### STORAGE

Dry, protected against moisture and sunlight.

#### PACKAGING INFORMATION

Colour Mineral-wool insulation brown-yellow  
Fleece coating white (grey RAL 7015 is possible as an option)  
Plaster baseboard beige-grey

Packaging unit Project-specific delivery

#### OTHER INFORMATION

Transportation Not a hazardous material

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The above information is based on many years of experience and tests and is provided by us to the best of our knowledge. Such information applies in addition to our application guidelines. However, we cannot accept any responsibility for the correctness of our recommendations on account of wide variety of substrates and of on-site conditions and applications which are outside our control. Any recommendations provided by our employees and deviating from these documents must be given in writing. We reserve right to make any changes on account of technical progress or building regulations. Your technical advisor will be pleased to provide the relevant product data sheets.



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