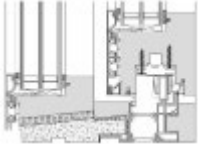


National Building Specification (NBS)

MIRA contour INOWA



Design description

Profile series for the production of wood-aluminium systems with sash and frame system MIRA contour glazing bead.

Technical requirements and system-specific verifications

The aluminium profiles are made of EN AW-6060 T66 in anodised quality and are available in accordance with DIN EN 755 and DIN EN 12020. The execution must be carried out in accordance with the relevant standards and guidelines, the recognized rules of technology and the specifications of the system provider.

Driving rain tightness class 9A

Air permeability class 3

Class 1 operating forces

Resistance class C3/B3

Thermal insulation of the frame e.g., spruce, U values according to DIN 10077-2:2003-10, $U_f = 0.98$ to $1.5 \text{ W/m}^2\text{K}$ depending on profile geometry and frame design.

The system

- Circumferential seal
- active closing points also in the center break
- Shooting movement across the frame

Wooden

Frame construction depth 183 mm, sash construction depth 78 mm + 14 mm aluminium cover shell.

Frame material: kg/m³

The timber construction must be carried out in accordance with the requirements of DIN 68121. The fixed glazing is to be provided with milled glazing strip. The system must allow glazing from the outside.

The insulating glass edge seal is taken up on both sides in the wood rebate.

Grooves in the wooden profiles to accommodate the aluminium profiles are not permitted.

Aluminium frame

Provision shall be made for a system in which a plug-in glass strip is accommodated in the frame groove from the outside. The glazing bead construction depth is 10 mm.

The width of the frame, including the glazing strip, is matched to the module dimensions of the standard frames from the MIRA contour system family.

Drainage of the rebate area is provided by concealed punching in the lower profile crosspiece. The design of the aluminium frames must be optionally possible with mechanical or welded connection.

Optional:

*Mechanical connection (punched) with anodized surface.
welded connection in case of colour coating.*

The view width frame: min. 60 mm

View width sash: min. 78 mm

View width center mullion 92 mm

The view depth of the frames is blinded by means of system profiles 90+10 mm.

The design can be found in the system documents.

Fastening of the aluminium frame

The aluminium frame is attached to the wooden frame using removable swivel and swivel clip holders made of high-quality, temperature-resistant plastics such as impact-modified POM. A stress-free expansion of the aluminium shell to the wooden part and the full-surface rear ventilation of the gap between the wooden and aluminium frame must be ensured. The gap must therefore be made with a distance of at least 4 mm. In order to determine the exact dimensional position, the holders must be prepared with a cast-in spacer knob.

Speed bump

Thermal comfort floor threshold, barrier-free according to DIN 18040.

Covert drainage must be provided.

The sealing of frames and insert elements must be carried out in accordance with the system specifications.

Seals

Sash sealing at the frame and fixed panel is carried out via system seals which are used in the closure area.

The glazing must have a surrounding dry glazing seal on the outside. The sealing lip on the glass must not be visible wider than 5 mm. On the inside, dry glazing must be possible with APTK seals in graduated seal thicknesses.

Schema A

Sash weight up to 200 kg

Sash width from 600 - 1500 mm

Sash height from 700 to 2500 mm

Fog

Roto Patio Inowa

concealed fitting

KSR gear

optional lockable

Inside handle - handle length 200 mm.

Outside shell handle

Rubber buffer on the sash

The hardware parts used in the test certificate

The hardware parts used in the test certificate are used in their entirety.

Excluded are wooden windows with metal cover and rain rail, as well as constructions that are clad with wooden profiles on the room side.

For recycling reasons, no foamed profile systems are permitted.

Pictures

