Double Horizon

Double Horizon is a double glazed high performance wall in acoustics. It gives high acoustical performance with slim Horizon looks. The ease of installation and connections to other Maars wall types makes this wall the ultimate performing double glazed wall.

CONSTRUCTION

Product versions

- Double Horizon 51 dB /STC
- Double Horizon – perforated cover profile

Panel connections

- Transparent silicone tape
- Crystal-clear polymer profile
- Glass edges (on request)

Profile connections

- Mitered corner connection (fully glass)
- T-connection, straight (fully glass)
- String² and Metaline100
- Doorframe connections with String²

Wall dimensions

- Thickness: 100mm / 4"
- Height:
  - **3400** mm / 10'6"
- Width:
  - Standard glass panel width: 900mm / 35" up to 1200mm / 47"
  - Other widths on request
- Weight: 75 kg/m² (based on 51 dB/STC product version)

Tolerances

- +/- 18 mm / 7/10" with top and bottom profiles of 35 mm / 1 3/8"

Materials and finishes

- Technocell for 51 dB/STC – in colors anthracite or gray.
- Slotted/perforated profile for no dB/STC value – in all Maars powder coating colors.

Installation steps in short

- Determine the partitioning systems centerline.
- Measure 32.5mm left and right, which is the center position of the L-profiles of Horizon. Use a laser level to transfers these lines to the floor.
- Use Horizon manual to install profiles.
- Before installing glass, mount the technocell or perforated profile with tape or screws. To prevent sacking in the corners, technocell or perforated profiles need to be mounted on the floor and ceiling first and then vertically at doorframes and wall ends.
- Start placing the glass according to the Horizon manual. First place glass on one side, then remove any dust in the cavity and clean the glass. After this place the glass on the other side, this glass must already be cleaned before placing.

Sound Isolation Performance

- According to EN ISO 717-1
- Tested by independent laboratory
- Up to 51dB / STC
- Acoustic Laminated Glass:
  12,8 - 16,8 mm | 1/2" - 5/8" - 11/16"

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CERTIFIED

ACOUSTIC
WALLS
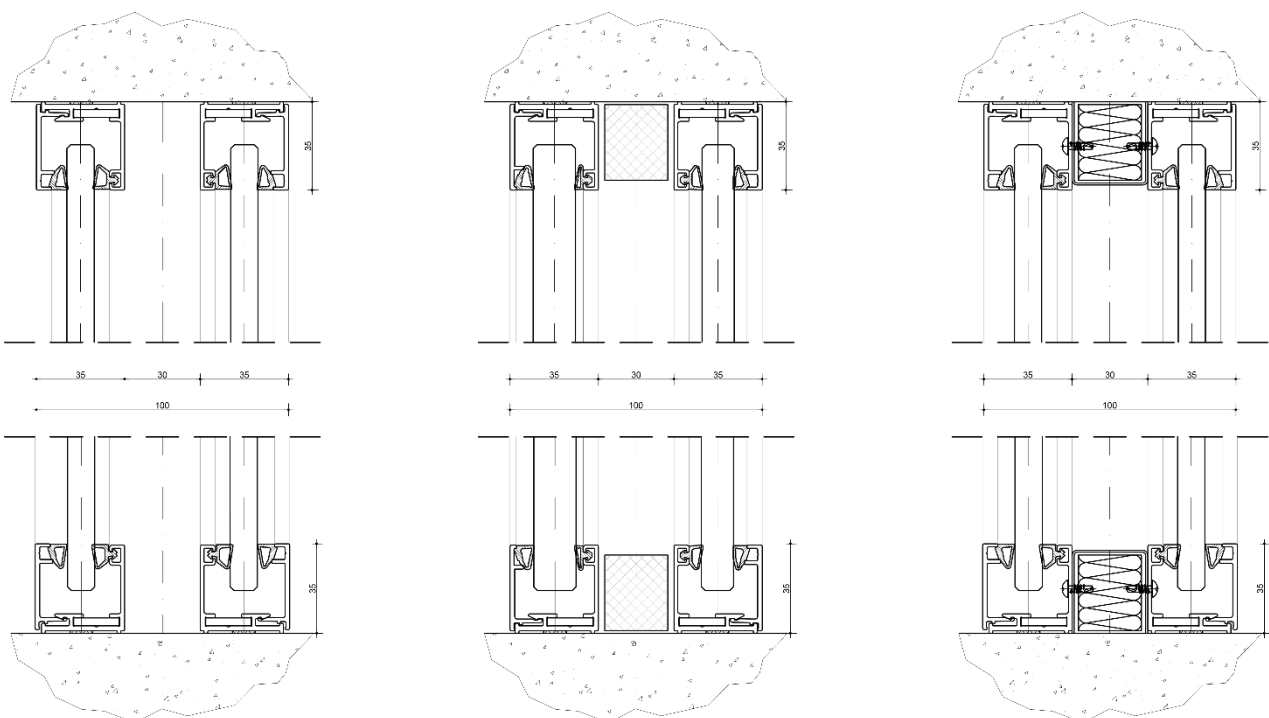·· high quality··

Finishes

Surface treatment:
For all visible aluminum parts.

- Environmentally-friendly epoxy powder coating, approximately 80µ thick
- Anodized; blank or brushed

For the slotted steel perforated profile:

- Environmentally-friendly epoxy powder coating, approximately 80µ thick

Vertical details*

based on version with Technocell

Corner-, Wall- and T- connection*

String² doorframe*

Maintenance: consult our website for cleaning and maintenance instructions.
We are constantly improving our products. For up-to-date technical details see Maars 4D or download the latest version from our extranet.

based on version with Technocell