



SLIMLINE 68 - WINDOW

BIM MODELS

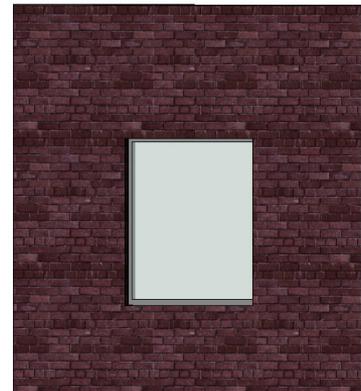


SLIMLINE 68 WINDOW – BIM MODELS

Building Information Modelling (BIM) is an intelligent 3D model-based process where building information is shared between all members involved in the building process. AEC professionals like architects, engineers, general contractors and fabricators use BIM to plan, design, construct and build in a more efficient way. Architects can use the Reynaers BIM models from the start of the conceptual design stage, for better visualization, all the way to the realisation of the building, generating window schedules with detailed info on the used elements.

The Reynaers BIM models are completely parametric and include different design types, building connections and optional add-ons such as sills and shutters.

All models are downloadable on the Reynaers architect website and the website of Bimobject.



On the next sheets, it's possible to find the guidelines for using the Reynaers BIM-models.

| SLIMLINE 68 - WINDOW | |
|----------------------|---|
| Thermal insulation | $U_f = 1.2 \text{ W/m}^2\text{K}$ for 119mm, it depends on the frame/vent combination and the glass thickness |
| Air tightness | Up to 600 Pa (Class 4) |
| Water tightness | Up to 1050 Pa (Class E1050) |
| Wind load resistance | Up to 2400 Pa (Class E2400) |
| Acoustic performance | $RW (C;Ctr) = 46 (0;-3) \text{ dB}$, depending on the glazing type |
| Burglar resistance | Up to PAS24 |

WINDOW

4 MODELS

- Fixed Window
- Outward Opening, Single Vent
- Outward Opening, Combined Window, Horizontal
- Outward Opening, Combined Window, Vertical

Download:



OPTIONS INSIDE THE MODEL

BUILDING CONNECTION

- Type C: International
- Parameters to transform Type C into Type B

DESIGN VARIANTS

- Classic

DIMENSIONS

- Height and width element
- Visible width frame
- Visible width vent inside/outside glazed
- Panel thickness
- Handle height

FEATURES

- Sill

OPENING DIRECTION

- DIN R
- DIN L

MATERIALS

- Color inside/outside profile
- Panel material
- Handle color
- Shutter roll

ENERGY ANALYSIS

- Standard
- HI

ANALYTICAL PARAMETERS

- Information parameters similar to information on website

LEVEL OF DETAIL

- Coarse/medium/fine

DIMENSION PARAMETERS

General parameters

- Height EXT: Visible opening in outside wall
- Width EXT: Visible opening in outside wall
- Wall exterior width: Distance between front of the outer wall and front of the window (default 95mm)

Vent/Frame Parameters

- REY Frame: Visible width of the frame
 - The possible dimensions for every design variant are given
- REY Vent: Visible width of the vent
 - The possible dimensions for every design variant are given

Parameters for Building Connections:

- REY Rebate: Distance between window and outside wall
- REY Offset Wall Ext Int: Distance between inside- and outside wall
- REY Joint Width: Distance between the inside of the outside wall and the front of the window profile

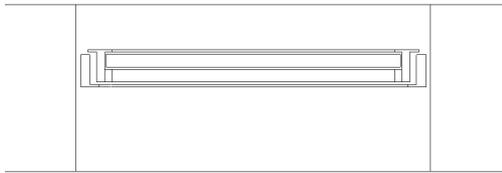
Other Parameters

- REY Panel Thickness: Thickness of the panel/glass (possibilities in brackets)
- REY Fixation Bottom: Distance between bottom side of the window and top of the inner wall
- REY Joint Bottom: Distance between top of the inner wall and top of the outer wall
- REY Handle Height: The distance between the bottom of the window and the handle

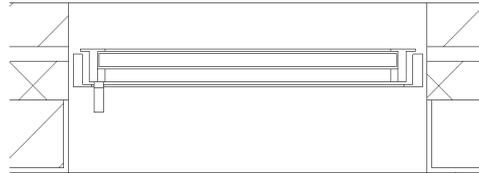
DETAIL LEVELS

3 levels of detail

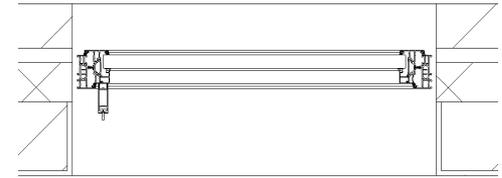
- Coarse
- Medium
- Fine



COARSE



MEDIUM



FINE

OTHER PARAMETERS

Graphical parameters

REY Sill: Option to add a sill

REY Plan/Section View Location: option to choose the view location for a combined window

Material and Finishes

Materials for the profiles (inside and outside), the panel and the handle can be chosen.

Analytical Parameters

List of analytical parameters that can be used in calculations.

For example: REY Panel Surface Total, REY Panel Surface Visible, REY Uf, REY Rw, REY Air Tightness, REY Wind Load Resistance, REY Water Tightness, REY Burglar Resistance, REY Fire Resistance,...

Energy Analysis

Option to choose between the Standard and HI-variant of this system



TOGETHER FOR BETTER