



SLIMLINE 38 - WINDOW

BIM MODELS

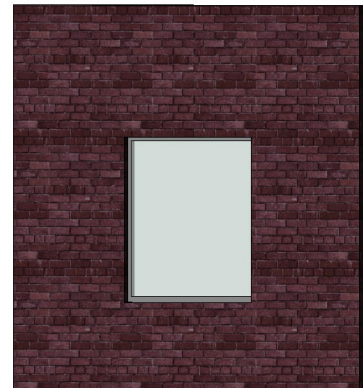


SLIMLINE 38 WINDOW – BIM MODELS

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 38 - WINDOW	
Thermal insulation	Uf = Down to 1.9 W/m²K, depending on the frame/vent combination and the glass thickness
Air tightness	Up to 600 Pa (Class 4)
Water tightness	Up to 600 Pa (Class 9A)
Wind load resistance	Up to 1600 Pa (Class C4)
Acoustic performance	Up to R_w (C;Ctr) = 45 (-1: -5) dB, depending on glazing type
Burglar resistance	Up to RC 2 (EN 1627)
Fire Resistance	EW 30

WINDOW

5 MODELS

- Fixed window, Single Vent
- Inward Opening, Single Vent
- Inward Opening, Double Vent
- Inward Opening, Combined Window
- Outward Opening, Single Vent

Download:



OPTIONS INSIDE THE MODEL

BUILDING CONNECTION

- Type A: Netherlands
- Type B: Belgium
- Type C: International

CLOSING DOUBLE WINDOW

- Double Casement
- Integrated Double Casement
- Fixed T Profile

DESIGN VARIANTS

- Classic
- Cubic
- Ferro

DIMENSIONS

- Height and width element
- Visible width frame
- Visible width vent
- Panel thickness
- Handle height

FEATURES

- Sill

OPENING DIRECTION

- DIN R
- DIN L
- Tilt

MATERIALS

- Color inside/outside profile
- Panel material

ENERGY ANALYSIS

- Standard
- HI

ANALYTICAL PARAMETERS

- Information parameters similar to information on website

LEVEL OF DETAIL

- Coarse/medium/fine

DIMENSION PARAMETERS

General parameters

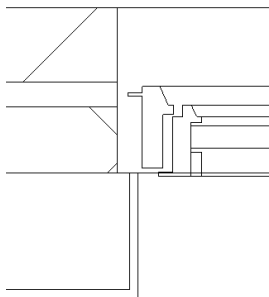
- Height EXT: Visible opening in outside wall
- Width EXT: Visible opening in outside wall
- Wall exterior width: Distance between front of the outer wall and front of the window (default 95mm)

Building Connections Type A-B-C

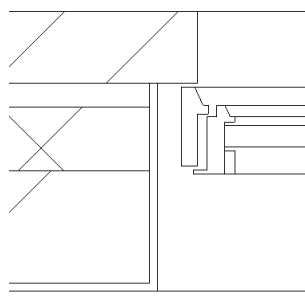
Building connections differ between countries. Reynaers BIM models include parametrical building connection information. For the convenience of the user we have predefined three types of connections (Type A, B, C) most commonly used worldwide.

- REY Building Connection Type A: Opening wall exterior > Opening wall interior
- REY Building Connection Type B: Opening wall exterior < Opening wall interior
- REY Building Connection Type C: Opening wall exterior = Opening wall interior

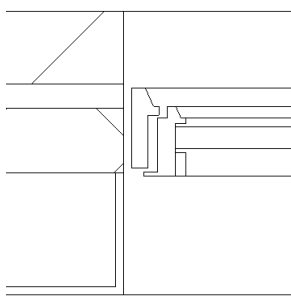
TYPE A



TYPE B



TYPE C



DIMENSION PARAMETERS

Parameters for Building Connections:

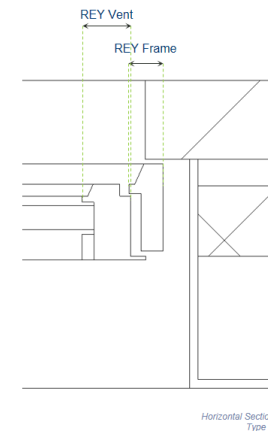
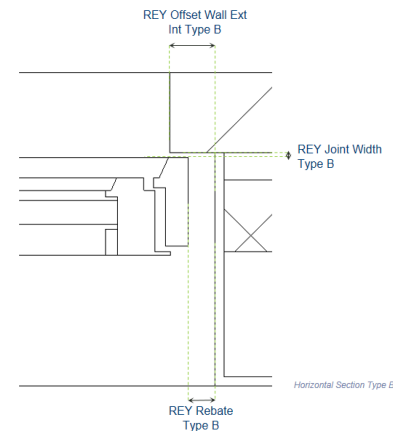
- REY Rebate: Distance between window and outside wall
- REY Offset Wall Ext Int: Distance between inside- and outside wall
- REY Joint Width: Distance between the inside of the outside wall and the front of the window profile

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
- REY Shutter Roll Height: Height of the shutter roll (if activated)

Vent/Frame Parameters

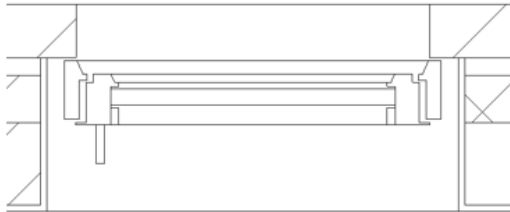
- REY Frame Width: Visible width of the frame (possibilities in brackets)
- REY Frame Width Hidden Vent: Visible width of the frame if the option 'hidden vent' is on (possibilities in brackets)
- REY Vent Width: Visible width of the vent (possibilities in brackets)
- REY Block Frame Depth: The depth of the block frame if this option is on (possibilities in brackets)



DIMENSIONS PARAMETERS

Design Variant

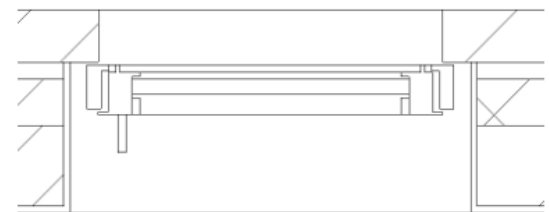
- Classic
- Cubic
- Ferro



CLASSIC



CUBIC



FERRO

DETAIL LEVELS

3 levels of detail

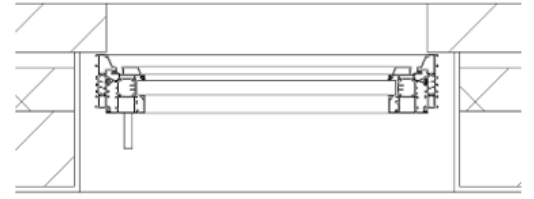
- Coarse
- Medium
- Fine



COARSE



MEDIUM

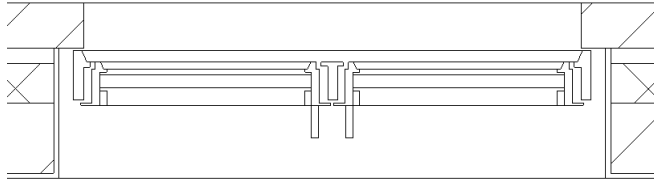


FINE

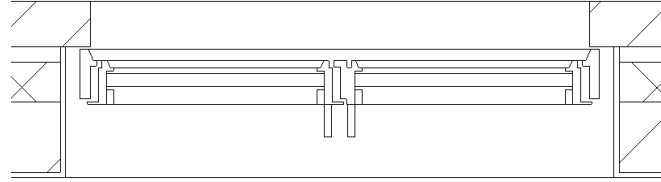
GRAPHICAL PARAMETERS

Parameters Double Vent

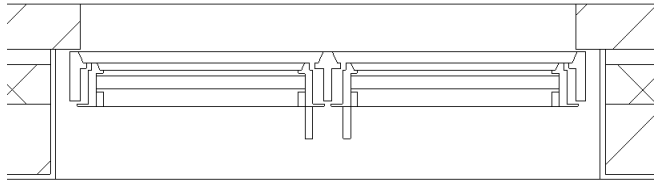
- REY Double Casement Window
- REY Integrated Double Casement Window
- REY Fixed T Profile



DOUBLE CASEMENT



INTEGRATED DOUBLE CASEMENT

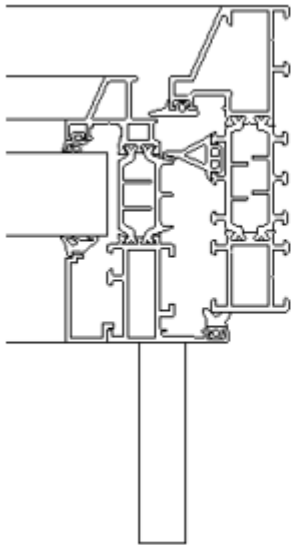


FIXED T PROFILE

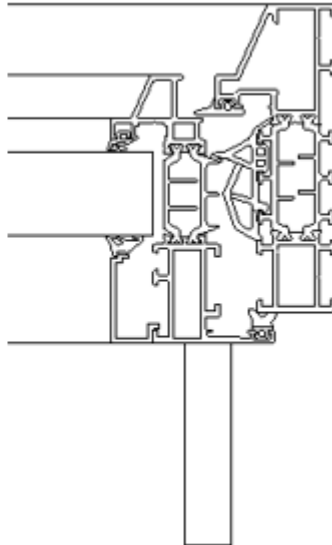
ENERGY ANALYSIS PARAMETERS

Gasket Variant

- Standard
- HI



STANDARD



HI

OTHER PARAMETERS

Graphical parameters

REY Sill: Option to add a sill

REY Opening Direction: Option to choose between DIN R or DIN L and Tilt

Material and Finishes

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

Reynaers materials

The most popular RAL colours are created as Reynaers materials and can be transferred to your project or your own template:

RAL 9005, RAL 7021, RAL 7016, RAL 9010, RAL 9001 and RAL 7039

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,...



TOGETHER FOR BETTER