SPECIFICATION SHEET for iLUX Slim oriel window *V2020.09 25*

*Renson N.V.*

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# Product description

Manufacturer: Renson

Type: iLUX Slim

***The iLUX Slim oriel window***  is a structural extension unit to be built into a structural opening in the wall. The unit contains a stable ceiling and floor. It is made of a steel frame in which glass and profiles are PLACED according to the plan to extend the indoor space in a compliant manner.

Preferably, the unit should be fully finished and glazed in the workshop so that on-site operations are limited to a minimum.

# Application

The unit is used to seal the opening in an air and waterproof manner within a short period of time so that a neatly finished arrangement is quickly realised.

# PRODUCT FEATURES

The frame on the exterior side has the following features:

* Maximum 60 mm.
* Also directly serves as the corner finish.
* Seamless
* Also serves as a glazing bead so that the glass can be replaced from the outside at any time.
* The connection of the roof with glass should always be fitted with a rising of at least 5 mm in order to avoid pollution on the entire glass surface.

The flat inner profile connects with the glass via a gasket. No glazing beads or seams are visible.

Glass-on-glass corner:

Glass volumes ending in a corner must be fitted with protruding glass.

Preferably, these protruding windows should be glued to each other in the factory to create a correct and neatly finished structural connection between them.

Floor/ceiling and solid walls:

Insulation value up to an overhang of 0.4 m - **iLUX Slim**

* + The floor and ceiling must contain at least 45-50 mm of PIR insulation and any reinforcements must be covered in at least 20 mm of PIR. The floor and ceiling are flat, have a thickness of 70 mm and connect to the glass via a gasket.
	+ A 12 mm finish can be placed as an option.
	+ On the exterior side, 2 mm thick aluminium plate cladding is used, with the fasteners made invisible or concealed behind the surrounding glazing bead (maximum size: 60 mm).

Connecting structure with the building

The floor, ceiling and sides (i.e. the entire contours) are made of galvanised plate that is at least 3 mm thick to provide stability and to ensure a vapour-proof and acoustic connection between the window and the building.

Performance:

The tests below must be produced for the entire unit (profiles, plating, glazing, roof) and must comply with the classification applicable for the location according to the B25/002 standard:

* + Waterproof
	+ Airtightness
	+ Wind resistance
	+ Shocks from inside, on both the minimum and maximum dimensions of the product

Protection:

The unit must be well protected against dirt and damage during the entire construction process. It is important that installation is properly organised so that on-site storage can be avoided.