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

*Renson N.V.*

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# Product description

Manufacturer: Renson

Type: iLUX Max

***The iLUX Max 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 inner profile connects with the glass with 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:

A U-value of 0.24 W/m²K is mandatory from an overhang of 0.4 m - **iLUX Max**

* + The floor and ceiling have a total package thickness of 200 mm and must have a total U-value of no more than 0.24 W/m²K. The floor returns via a chamfered wall to the edge of the glass up to 70 mm, to be connected to the glass with a gasket.
	+ A 37 mm space is provided, allowing for a 35 mm finish for the floor, ceiling and walls.
	+ On the exterior side, 3 mm thick aluminium plate cladding is used, with the fasteners made invisible or concealed behind the surrounding glazing bead.

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.