## Product features

### Supports and clips:

### Supports can be fixed horizontally with Renson's direct fixing system (patented) or on a perfectly aligned underlying supporting structure.

* Supports can be bent for cladding of a curved wall (smallest radius 1000 mm).
* Plastic clips (patented) mount onto the horizontal supports without screws.
* Plastic clips allow thermal expansion without creaking noises.

### Basic profiles:

* Individual vertical profiles, available in various shapes (block or rib-shaped)
* The individual vertical profiles combine with each other allowing creation of personalized wall cladding (MIX)
* The individual vertical profiles allow a variety of colour combinations
* Each basic profile can be fixed in the nominal position or can be extended in or out by 2 mm, allowing the width of the façade to be covered in a flexible manner, with a maximum extension or contraction of 32 mm/rm
* The system is vandalism-proof, but the profiles can still be removed individually if necessary, without having to disassemble the rest of the wall
* The profiles can be rotated in any direction, no matter which position they are in

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Profile type | Shape | Maximum Length(mm) | Width (mm): | FreeDepth (mm) | System Depth (profile + support) (mm) | Weight incl. support (kg/m2) |
| EVEN |  | 6.000 | 60 | 25 | 61 | 13 |
| BLOCK25 |  | 6.000 | 60 | 25 | 61 | 12 |
| BLOCK16 |  | 6.000 | 60 | 16 | 52 | 10 |
| *BLOCK16L**CONE* |  | *6.000**6.000* | *120**60* | *16**25* | *52**61* | *-**11* |

*BLOCK16L only applicable in MIX*

### Angle profiles and interchangeable profiles:

* The angle profiles (indoor & outdoor) ensure seamless corner connections.
* Exterior angle: BLOCK16, BLOCK25, EVEN
* Interior angle: BLOCK25 and EVEN
* With the interchangeable profiles, it is possible to change direction in order to integrate perfectly doors, windows or gates into a form-fitting unit in the façade.

### Fitting profiles:

* More clearance for use with doors or gates
* Can be provided with a rubber seal

## Material and surface treatment profiles

* Made of extruded aluminium Al Mg Si 0.5
* Supports technically anodized 5μ.
* The standard pre-treatment, Seaside Quality A, protects the aluminium profiles against aggressive environments such as coastal areas, heavy industries, etc. (min 2 gr/m² extra stained).
* The aluminium profiles are finished with a polyester powder-coating in RAL architectural textured coating (60 to 80 microns) in accordance with the Qualicoat standard.

## Options

### Direct fixing:

* Durable and fireproof solution. Fast mounting of the supports directly on the wall with anchor plug (patented).

### Profiles for window finish:

* To finish the edges next to and above the window, with invisible fastening, in the same surface treatment and colour of the Linarte wall.

Integration of gates and doors:

* Finishing profiles for on and next to gates and doors
* Mounting profile for mounting an optical sensor type Cedes GridScan/Mini (excl.) for sectional doors
* Lowered clips for mounting the Linarte profiles on a tilting door (maximum system depth for BLOCK 25: 41 mm)

Semi-open window cladding:

* The profiles that run in front of the window are aesthetically finished at the rear with a cover profile.

**The profiles EVEN and BLOCK25 can be personalized by adding LED or wood inserts.
These can also be applied at a later stage.**

### LED-modules:

* 24V, IP67-potted profile without diffuser. Available in lengths of 267, 455, 830 or 1205 mm. Including connectors. Warm white Light +/- 3500K. Dimmable.

### Indirect LED lighting:

* 24V, IP66 LED strip. Available in lengths up to 6200 mm. To be mounted at the bottom of the Linarte support profile. Warm white light +/- 3000K.

### Wooden inserts:

* Thermo-es, available in lengths of 267, 455, 830 or 1205 mm. Can be mounted with a fixed or removable clip system.

### House numbers:

* Numbers from 0 to 9, indices from A to D in wood fillings (thermo-es). Applicable in the EVEN-profiles, height +/- 420 mm.

### Integration features:

* The mailbox, intercom, electrical outlet and outdoor tap all integrate seamlessly into the whole.

### Fire clips:

* Each Linarte profile can be secured with a fire clip if required.

## Assembly

Can be used as a ventilated facade system if the Renson direct fixing system is used, or if the Linarte facade cladding is fixed on a firm and flat substructure that has been professionally installed and complies with local regulations. Take account of sufficient cavity thickness.

Can be used as a, when mounted on a substructure with wooden (CLS/SLS) or aluminium supports, according to the processing guidelines of the manufacturer.

## Standards

* Aluminium alloy: Al Mg Si 0,5 (F25)
	+ Standardization: EN AW-6063
	+ Hardening: T66
* Aluminium pre-treatment:
	+ Standard DIN 50021 SS
* Strength calculations are based on the following standards:
	+ EN 1999-1-1 : Calculation of structures in aluminium
	+ NBN B-03-002-2 : Wind load - Dynamic effects
	+ EN 1991-1-4 : Wind Load
* Fire resistance: B-s1, d0
	+ Classification of reaction to fire performance in accordance to EN 13501-1: 2013