## Product features

### Carriers and clips:

### Carriers LD.0195 36x17.5 mm made of extruded aluminium Al Mg Si 0.5.

### Carriers can be mounted vertically on a perfectly aligned supporting structure.

* Aluminium clips premounted onto the vertical carriers, allow thermal expansion.
* Fixation of the carriers directly on the supporting structure or by means of the sliding fixation element (corrosion resistant), which enables the alignment of garage door sections with the adjacent Linius wall cladding.

### Basic profiles:

* Made of extruded aluminium Al Mg Si 0.5
* Individual horizontal profiles in Z-shape, available in 3 types: open, closed (prevents looking through) and perforated (for ventilating wall cladding).
* The individual horizontal profiles allow a variety of colour combinations.
* The profiles can be bent for cladding of a curved wall (smallest radius 800mm).
* Uniform look with the Renson nightcooling louvres.

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| --- | --- | --- | --- | --- | --- | --- |
| Profile type | Shape | Maximum Length(mm) | Height (mm) | Depth (mm) | System Depth (profile + carrier) (mm) | Weight incl. carrier (kg/m²) |
| L.033.01 | Open | 6.000 | 38 | 23 | 40 | 6,5 |
| L.033CL | Closed | 6.000 | 38 | 23 | 40 | 7,7 |
| L.033IM1 | Perforated | 6.000 | 38 | 23 | 40 | 7,4 |

### Angles:

* The profiles are cut tot he correct angle.
* Option: Welded corner profiles for corners of 90°, maximal length 700mm.

## Surface treatment profiles

* 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 Qualitcoat standard.

## Options

### **Finger trap protection for sectional doors:**

Patented mechanical finger trap protection system. Prevents the fingers from being pinched between 2 horizontal parts of the sectional door.

## Assembly

Linius wall cladding must be fixed on a firm and flat substructure that has been professionally installed and complies with local regulations.

Can be used as a ventilated wall system, when mounted on a substructure with wooden (CLS) or aluminium carriers, 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:
	+ ENV 1999-1-1 : Calculation of structures in aluminium
	+ NBN B-03-002-2 : Wind load - Dynamic effects
	+ EN 1991-1-4 : Wind Load