TECHNICAL DATA SHEET

ANGLE BRACKETS FOR CLADDING

EKER

Length : 350mm 300mm 200mm 100mm 40mm ...
among 25 lengths available.

C'EST CARRÉ
LES CAHIERS TECHNIQUES SCELL-IT

RANGE ETICS
EXTERNAL THERMAL INSULATION

Calculation software

MADE IN FRANCE

CSTB le futur en construction 3316 - 3194

FEATURES

Material:

- Galvanised steel DX51D+Z350 *(Hot Deep Galvanised)*
  (Anti-corrosion protection ideal for external protection and ventilated environment)
- 2.5mm thickness

Advantage:

Conform to CSTB 3316 and 3194 (test report n.CLC 15 - 26057061):

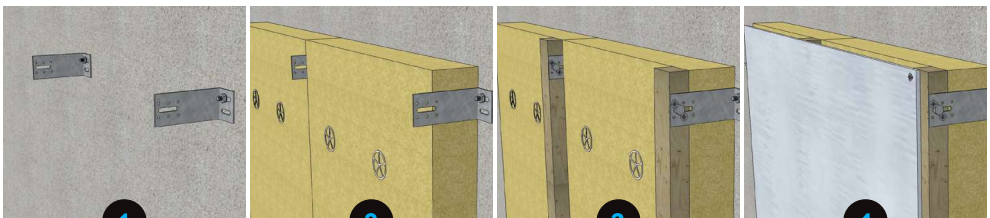
- material
- loads

Examples of applications:

- Wooden cladding
- Metallic cladding

INSTALLATION

In case of reported cladding with wooden frame on metallic angle brackets



1 FIX METALLIC ANGLE BRACKETS ON THE SUPPORT MATERIAL

Metallic plug Ø8
or nylon plug Ø10

2 FIX THERMAL INSULATION

Thermal insulation in 1-2 layers.
Plug with washer.

3 FIX PRIMARY FRAME (WOODEN RAFTERS)

Fix rafter on metallice angle brackets with:

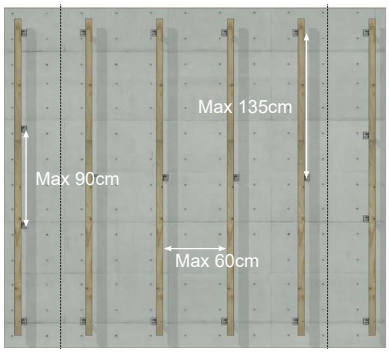
- Ø7 lag.
- 2 screws to avoid rafter rotation.

4 FACING

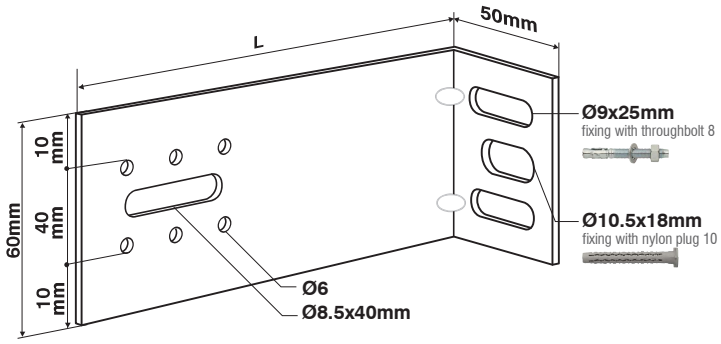
Rain barrier:
fix the facing on the frame leaving ventilated air shaft.

Angle brackets dispositions for standard setting:

- Horizontal spacing
- Vertical spacing (reduced to 90 cm on the edge)
- A statical calculation should be made to determinate the distances for each project



DIMENSIONS



L	Reference
mm	
40	EKER040
50	EKER050
60	EKER060
80	EKER080
100	EKER100
120	EKER120
130	EKER130
140	EKER140
150	EKER150
160	EKER160
170	EKER170
180	EKER180
190	EKER190
200	EKER200
210	EKER210
220	EKER220
240	EKER240
250	EKER250
280	EKER280
300	EKER300
310	EKER310
320	EKER320
330	EKER330
340	EKER340
350	EKER350

RECOMMENDED LOADS

Recommended loads according to the test reporting n°CLC 15-26057061 made by the CSTB (Paris).

	Resistance to vertical loads (cladding weight) (daN)		Resistance to horizontal loads (wind depression) (daN)
Angle brackets length (mm)	Under 1 mm Rα(F1) **(1)**	Under 3 mm Rα(F3) **(2)**	**(3)**
40	30	43	90
50	30	43	90
60	30	43	90
80	30	43	90
100	30	43	90
120	33	33	90
130	33	33	90
140	33	33	90
150	13	23	90
160	13	23	90
170	13	23	90
180	10	17	90
190	10	17	90
200	10	17	90
210	7	13	90
220	7	13	90
240	7	13	90
250	7	13	90
280	7	10	90
300	7	10	90
310	7	7	90
320	7	7	90
330	7	7	90
340	7	7	90
350	7	7	90

(1)&(2) : Resistance to vertical loads (cladding weight);
Safety factor = 1,5
(3): Resistance to horizontal loads (wind depression) ;
Safety factor = 2

PACKAGING

Our angle brackets are packed in a reinforced carton box adapted to the available sizes, which guarantees good resistance to shocks and allows stacking for optimized storage.