

EINWOOD 4TH GENERATION

Facade cladding

Sun shaders

Screens

Balustrades

EINWOOD



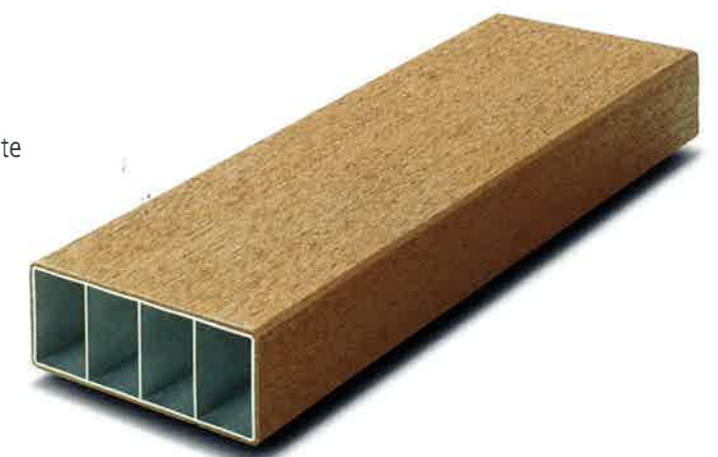
Leading edge technologies

An alliance of two outstanding materials

EINWOOD 4G is the fruit of innovative technologies and a remarkable alliance of two special materials: aluminium and wood composite. EINWOOD is designed to unlock the full potential of wood composite in new and creative design of facades and wall cladding. Six to eight times lighter than 2nd generation boards, EINWOOD 4G is also simpler and faster to install. The boards feature an impressive dimensional stability, expanding by only one third the usual rate. They are also highly resistant to fire. Selecting EINWOOD 4G opens the door to a stunning array of original, aesthetic, hardwearing, and economical solutions for facade trim, sunshades, screens, view breakers, balustrades... The range of applications is vast, and installing is simplicity itself. EINWOOD 4G is also ideal for designing claustras and decorating interiors to professional standard and a finish that is as soft to the touch as it is elegant to view.

Aluminium and wood composite

EINWOOD new line in cladding is the outcome of research in Japan by developers of high performance wood composite. EINWOOD 4G boards owe their ultra-resistant qualities to an exclusive process of co-extrusion developed in the Japanese construction industry, whereby an aluminium core section is fabricated with an outer covering, or skin, of wood composite. The highly resilient and corrosion-resistant aluminium is therefore covered with a waterproof layer of wood composite. The result: EINWOOD comes with a 20-year guarantee, and its lifespan for external construction is 50 years minimum.





Guaranteed levels of performance

Boards are six to eight times lighter

The exclusive manufacturing process for EINWOOD 4G boards relies on hot co-extrusion of aluminium and wood composite. This process produces sections with only one third as much wood composite content as standard boards, and one third the weight of the equivalent composite core volume (in the form of the metallic core). The resulting lightness makes EINWOOD 4G the ideal choice for building facades. Boards exhibit the same rigid characteristics as the equivalent standard rigid composite boards.

Simple and rapid installation

The design of EINWOOD 4G shortens the laying phase for facade cladding. Whole modules can be simply designed in factory or workshop and then installed on pre-sealed fixing battens, or on any other suitable pre-prepared structure. Significant savings in time and labour costs can be made. Cutting and fitting the boards requires only a light metal saw. Standard fixing as for simple aluminium structures is all that is required. Finally, EINWOOD 4G is not just lightweight, but also very rigid, and this means supports can be spaced up to 1,8m apart.

Extreme dimensional stability

EINWOOD 4G boards expand at the same rate as aluminium, i.e. less than 1mm/m for a temperature variation of 50°. They therefore expand at a third the rate quoted for standard rigid wood composite boards, and this simplifies installation. Customers place a high value on EINWOOD 4G's exceptional structural rigidity, assured thanks to the co-extrusion process used in its manufacture.

Exceptional fire resistance

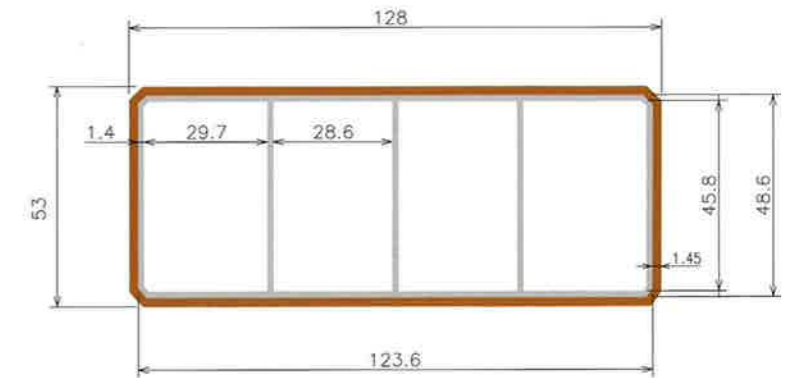
EINWOOD 4G's aluminium core affords above-average fire protection, an eminently attractive quality when it comes to selecting facade cladding or covering. CRIITT Bois report n° 2011-453 dated 29 June 2011 cites the following ratio: $M_{cm} = M_c = 2,5 \text{ MJ/ml}$, where M_{cm} is the mobilisable combustible mass, and M_c is the combustible mass.



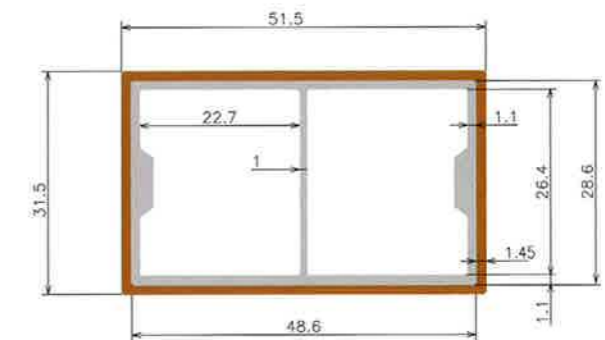
Trim



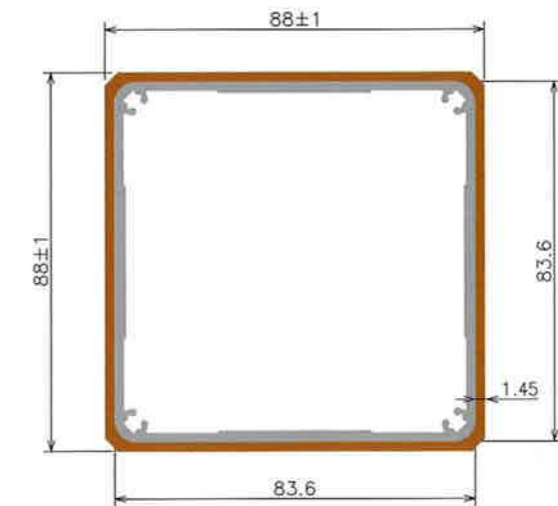
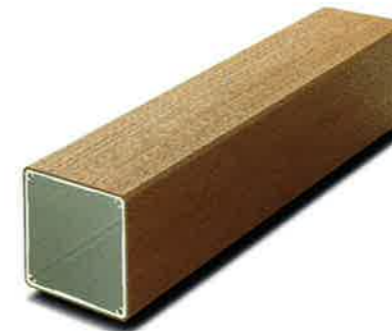
EW6010:



EW6008:



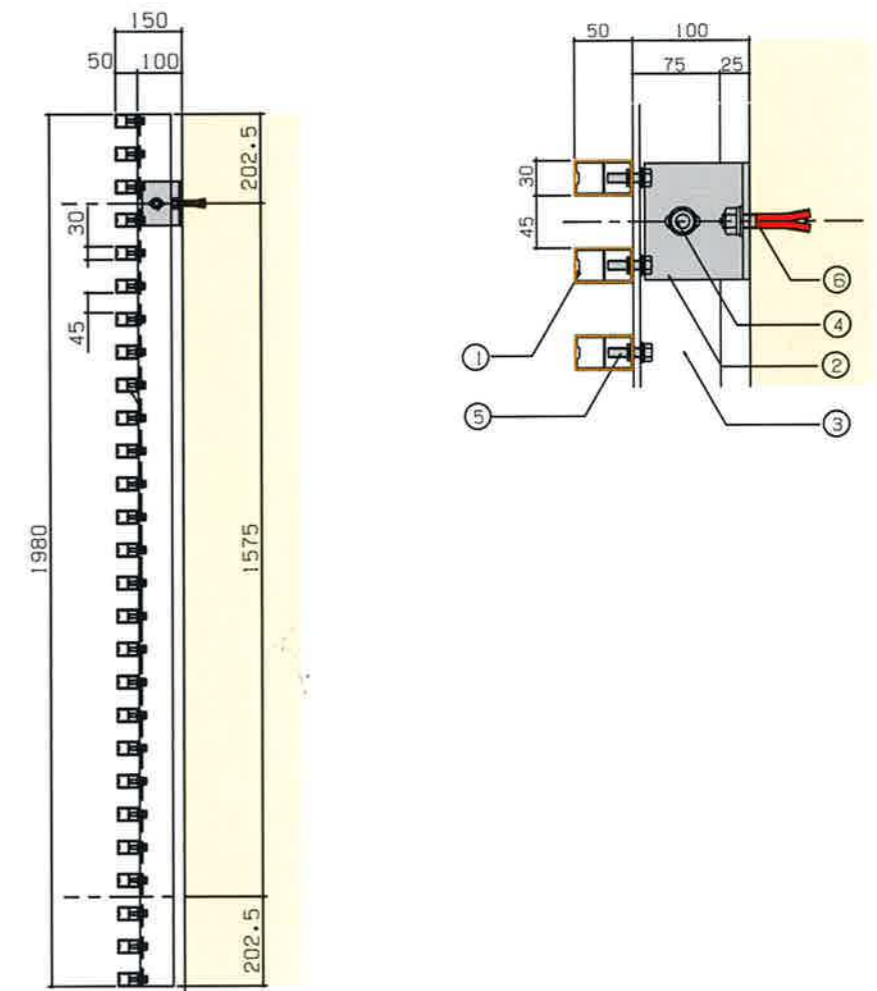
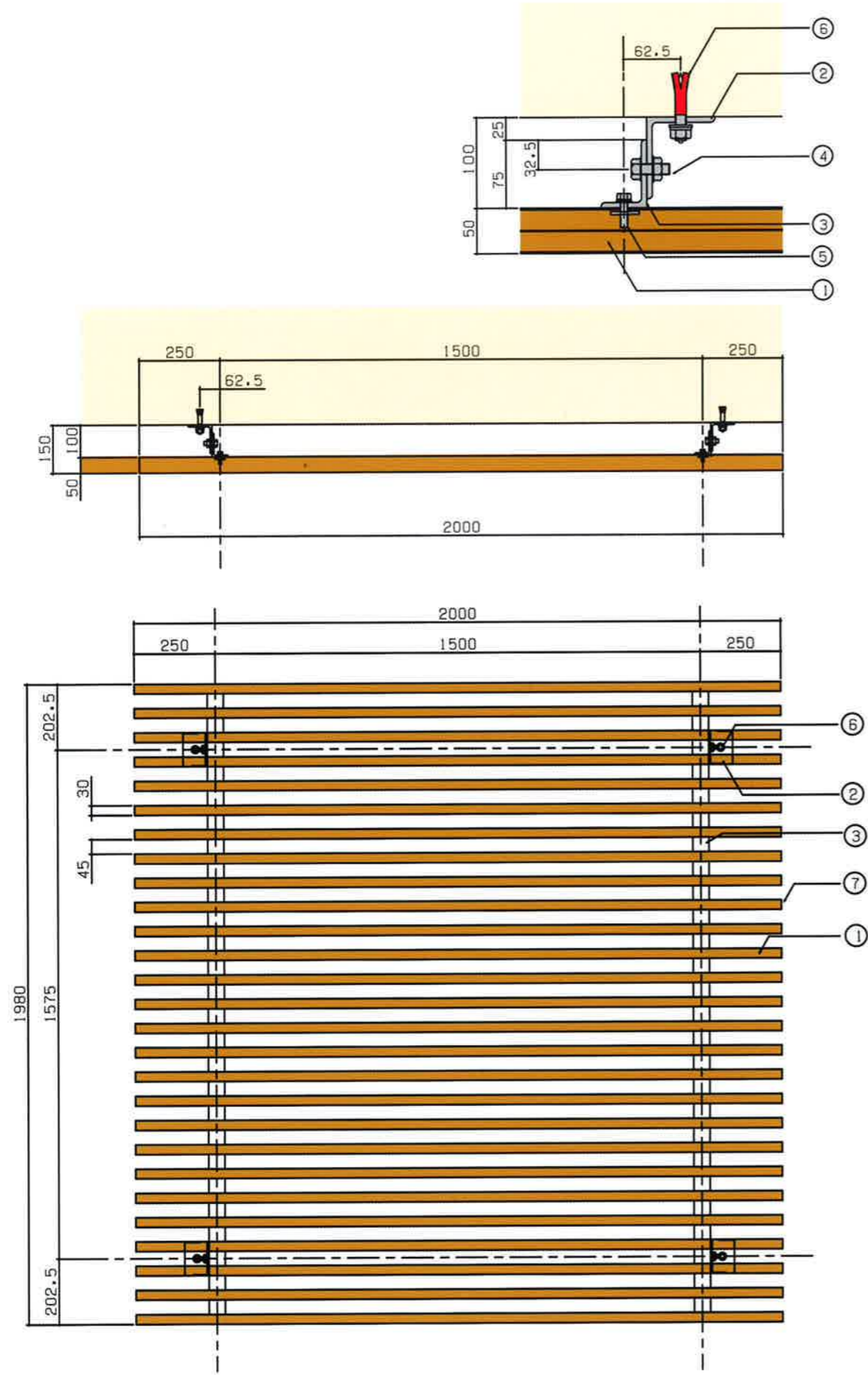
EW6014:



	EW6010	EW6008	EW6014
Weight	2,33 kg	0,73 kg	2,63 kg
Maximum cantilever	250 mm	250 mm	250 mm
Brown	yes	yes	yes
Sandy Brown	yes	yes	yes
Gray	3000m and longer	3000 m and longer	3000m and longer
Dark Brown	3000m and longer	3000 m and longer	3000m and longer
Cross section 1	53 mm: 15 cm ³	31 mm: 2,77 cm ²	88mm: 19,54 cm ³
Cross section 2	128 mm: 9,83 cm ³	51 mm: 1,7 cm ²	88mm: 19,54 cm ³
Second moment 1	53 mm: 98,7 cm ⁴	31 mm: 6,72 cm ⁴	88mm: 81,66 cm ⁴
Second moment 2	53 mm: 23,9 cm ⁴	51 mm: 2,41 cm ⁴	88mm: 81,66 cm ⁴
Hollow rate (%)	89,7	87,6	91,0

Laying technique

Description	Dimensions
1 Board	See illustrations
2 Pre-galvanised L-shaped angle blade	75 × 90 × 6
3 Pre-galvanised L-shaped angle blade	50 × 75 × 6
4 Stainless steel nut	M 12
5 Stainless steel blind nut or clinch nut	M 8
6 Stainless steel hollow wall anchor	M 12
7 Finishing plug	





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