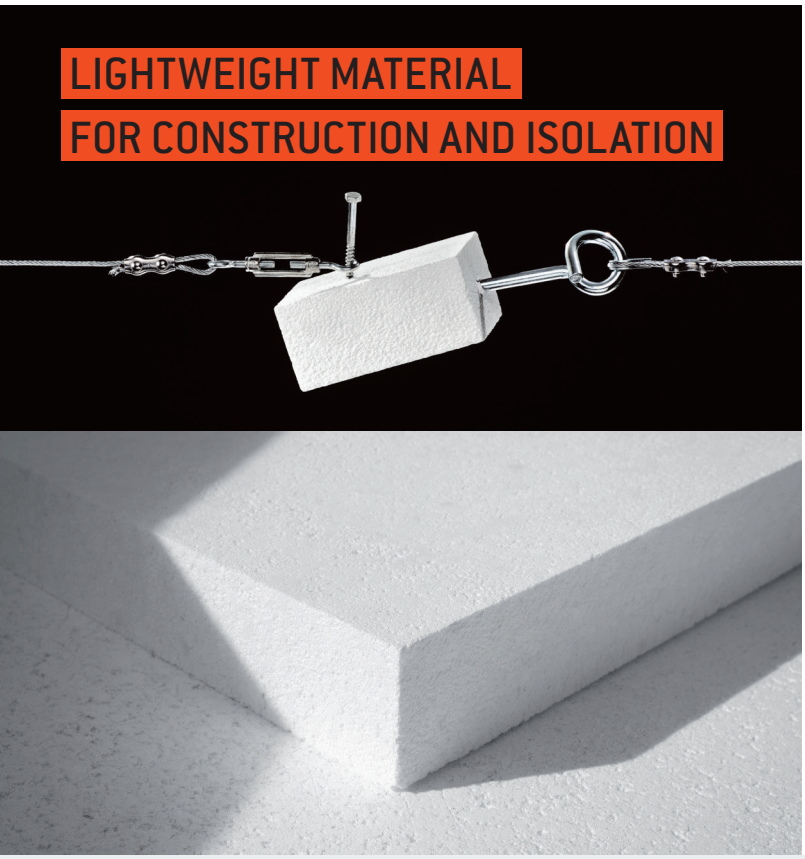
COMPACFOAM



CFeco 200 – sustainable and efficient!

Our **CF**eco **200** product is a revolutionary structural insulation material for the construction industry made from 100% recycled EPS. This combination of exceptional structural stability, very low heat transfer and lightweight is easy to work with. It is versatile and can be manufactured to bespoke shapes and sizes according to the requirements of the project. This makes **CF**eco a very cost effective solution.

Many years of research and development has resulted in us developing a revolutionary process which enables us to process our waste material and produce a recycled material which has many of the characteristics of the pure material in our product range. Recent developments have improved the finish of the material making it more pleasing to the eye and also gives improved screw retention and load bearing ability.

CFeco **200** provides many solutions to the challenges of modern day building regulations. This high-tech product can be easily screwed together with standard wood screws without pre-drilling to make more complex shapes providing more freedom of the design and time savings during the construction process. **CF**eco **200** provides consistent reliable performance at a reasonable price.

Welcome to the future of structural construction with **CF**eco **200**!

Technical information and options

Whole sheet, 2.350 x 1.160 mm, ½ sheet, 2.350 x 580 mm, ¼ sheet, 1.175 x 580 mm. Sheet thickness from 40 to 110 mm;

Structural high-density EPS	CF eco 200	Norm
Compressive strength (N/mm²) with 10% compression with 2% compression	 1,85 0,98	 EN 826 according to EN 826
Permissible stress (N/mm²) at 2% long-term deformation under constant load	0,64	internal
E-Module (N/mm²)	50	internal
Screw pull force Ø 7,5mm [N] at 40 mm anchoring length	825	internal
Coefficient of thermal conductivity (W/mK)	0,045	EN 12667
Water vapor diffusion resistance factor	~25	EN 12086-1
Fire resistance	E (B1) not easily flammable	EN 13501-1 / DIN 4102-1

U-Value **CF**eco200: **1,50** (30mm) | **1,13** (40mm) | **0,90** (50mm) | **0,75** (60mm) | **0,70** (64mm) | **0,56** (80mm) | **0,50** (90mm) | **0,45** (100mm)

CE designation code: EPS-EN13163-L2-W2-T2-S2-P4-DS(N)2-CS(10)800-TR400-BS750-CC(3,0/2,0/50)500-WL(T)5

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COMPACFOAM

CFeco 200 , economical and strong:

Economical manufacturing process

Innovative and sustainable, 100% recycled material

Incredibly stable compared to other foam filled panels

Moisture resistant

Fire rating class B1

Lambda value 0,045 W/mK

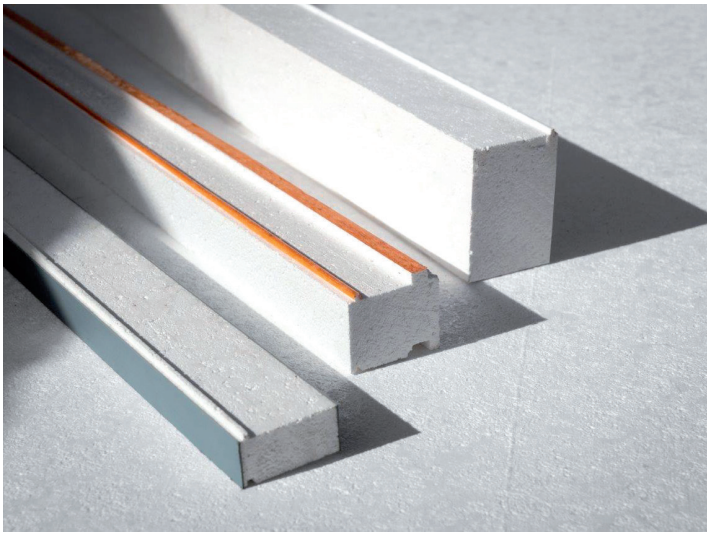
Sheet size 2,35 x 1,16 m

Can be supplied cut to size

Sheet thickness 30 - 100 mm

Available in all sizes in between

Thickness calibrated to ±0,3 mm



CFeco 200 has many uses, including:

WINDOWS AND DOORS
(Support profiles, cill pressing packers, window cill supports, external insulation reveal surrounds and lots more)

FACADES
(Curtain-wall thermal partition, thermal breaks for structural supports)

SHADING
(Allows awnings, shutters and roller blinds to be easily fixed through external wall insulation)

VEHICLE MANUFACTURING
(Lightweight panel supports and other structural parts, more details on request)

ENVIRONMENTAL IMPACT: CF eco is pure and does not release any physiologically relevant amounts of chemical substances

PROCESSING: CF eco is processed using woodworking machines. Blades do not require carbide tips The dust caused by processing, sawing, sanding and milling, are not physiologically harmful and have no fibrous form.

MECHANICAL FIXING: CF eco can be fixed together using MS Polymer based adhesives and threaded wood screws. There is no need to pre-drill the product before it is screwed together.

ADHESION: CF eco can be glued to other construction materials using either 1K Polyurethane or MS Polymer adhesives.

STORAGE AND TRANSPORT: The product is not subject to the Hazardous Substances regulations or other storage and transport regulations.

DIMENSIONS: Standard sheets are available in all required thicknesses and cut to your requirement. We also have the facility to CNC cut the product to bespoke shapes.

DELIVERY FORM: CF eco is available as sheets, blocks or bars.

Features of COMPACFOAM

1 Screwable
2 Outstanding thermal insulation
3 Stable against climate change
4 Long-term stable
5 Frost resistant
6 Easy cutting possible
7 Ductile
8 Open to diffusion
9 High compressive strength
10 Low weight
11 Recycleable
12 Biocide-free



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