

# COMPACFOAM

**LIGHTWEIGHT MATERIAL  
FOR CONSTRUCTION AND INSULATION**



COMPACFOAM **eco** means economic und recycling.

CF **eco** is a modern construction and insulation material made from mono-material EPS, which combines stability and good heat insulation with very low dead weight. It is a flexible, applicable construction element and at the same time can be used as a high-quality insulation material. This combination makes it particularly economical.

With its features, CF **eco** introduces new possible solutions for modern construction. An additional advantage: With this high-tech product, customary wooden screws can be firmly screwed without the need for pre-drilling.

This creates freedom in its application.

## Technical information and delivery method

Whole plate: 2.350 x 1.160 mm, ½ plate: 2.350 x 580 mm, ¼ plate: 1.175 x 580 mm; Plattenstärke 40 - 110 mm;

Sintered high-density EPS	CF <b>eco</b>	Norm
Compressive strength (N/mm <sup>2</sup> ) with 10% compression	1,75	EN 826
with 2% compression	0,95	according to
Permissible stress (N/mm <sup>2</sup> ) at 2% long-term deform. under constant load	0,58	internal
E-Module (N/mm <sup>2</sup> )	46	internal
Screw extraction 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

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 eco allows for cost savings and safety:

Excellent at insulation and extremely durable

Easy to screw, drill, saw, mill

Resistant against moisture and frost – no swelling and shrinking

No long-term changes in dimensions and resistance

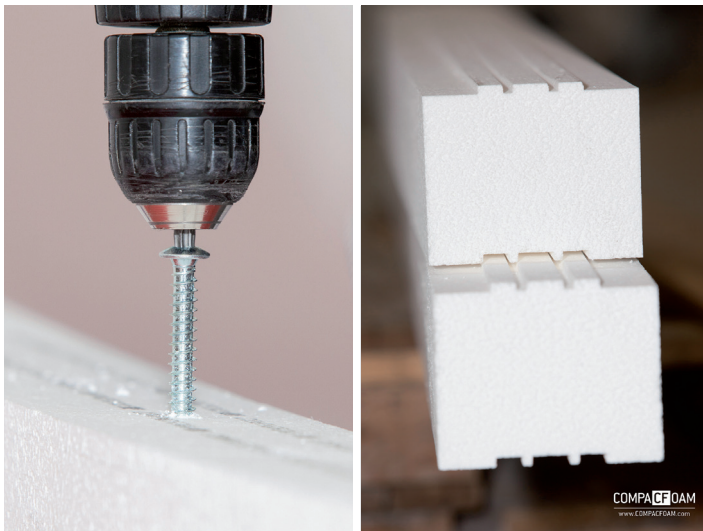
Lightweight – lightweight handling

Recyclable and mono-material – meets all of the requirements of sustainable, environmentally friendly construction standards

Excellent ductility – irregularities of the substrates are levelled without damage

Available in precise material thicknesses – saving both time and money

Ageing resistant, resistant to rot and humid conditions



## COMPACFOAM eco is extremely versatile, amongst other reasons:

### WINDOWS AND DOORS

(Support profile, plate connection profile, window scantlings, pre-wall installation, etc.)

### FACADES

(Curtain-wall facing thermal partition, prefabricated building members in WDVS)

### SHADING

(Assembly of awnings, folding and sliding shutters, roller blinds, etc.)

### VEHICLE MANUFACTURING

(Lightweight panels, structural parts, amongst other things)

**ENVIRONMENTAL PROTECTION:** CF eco is a mono-material that does not emit any physiologically relevant amounts of chemical substances.

**PROCESSING:** The processing takes place with customary woodworking machines. There is no need for the use of carbide tools. The sprays caused by the processing (sawing, sanding, milling) are physiologically harmless and have no fibrous form.

**THREADED CONNECTIONS:** The threaded connections take place with customary wooden screws. No primary drilling is required with the threaded connections.

**ADHESION:** The adhesion of CF eco to other construction materials is possible e.g. with 1K polyurethane or MS polymer adhesives.

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

**DIMENSIONS:** Standard formats are available according to the table in all required thicknesses, as well as custom-made special cuts, which are generally possible. We have many possibilities enabling the sheets to be produced according to the clients' wishes.

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

## Features of COMPACFOAM

- 1 Screwable
- 2 Best heat insulation
- 3 Dimensionally stable
- 4 Unlimited long-term stability

- 5 Resistant to frost
- 6 Processable with saw
- 7 Ductile
- 8 Vapour permeable

- 9 Extremely durable
- 10 Lightweight
- 11 Recyclable
- 12 Biocide-free



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