

PRODUCT COMPARISON



Low weight



High strength



No corrosion



Chemical resistance



Electrical insulation



Easy to machine



Little or no maintenance



Sustainable manufacture



Thermal insulation

A strong, light and corrosion-free alternative with GRP

Our fibreglass profiles combine a number of unique benefits that are not found in other, traditional materials – low weight but great strength, unique durability with minimal maintenance, and electrical and thermal insulation. All of these advantages combined into a single composite material make our profiles a cost-effective option for the sustainable construction and industry of the future.

Another of our distinctive features is our production process – pultrusion. As this process is continuous, consistently high quality can be achieved. Together with our CE mark on all structural profiles, this is your guarantee of high quality every time you use our products.



FIBREGLASS



STEEL



WOOD

		Fiberline	Wood C24	Aluminium	Steel S235	Stainless steel
Density	g/cm ³	1.8	0.42	2.7	7.8	8
Young modulus	N/mm ²	24.000	11.000	70.000	210.000	195.000
Shear modulus	N/mm ²	3.000	700	27.000	81.000	77.000
Tensile strength	N/mm ²	240	14	95	225	215
Thermal expansion	K ⁻¹	10·10 ⁻⁶	3·10 ⁻⁶	23·10 ⁻⁶	12·10 ⁻⁶	16·10 ⁻⁶
Poisson ratio		0.23/0.07	0.4	0.33	0.3	0.29

The calculations are indicative and must in each specific case be assessed and calculated by a consulting engineer.” For more detailed information on mechanical properties, specific geometries and prices, visit our website www.fiberline.com. Here you can also order samples to feel the difference yourself



FIBERLINE
BUILDING PROFILES