

STRUCTURAL PROFILES – EX STOCK

Profile	Dimensions (mm)	Cut Length's	Weight (kg/m)	Standard Colour	Availability
Channel	200 x 60 x 8	6m	4.8	Grey	Ex Stock
Channel	108 x 45 x 70 x 4	6m	1.8	Blue	Ex Stock
Channel	102 x 45 x 5	6m	1.9	Grey	Ex Stock
Channel	102 x 3.5 x 45 x 5	Various	1.6	White, Tan	Ex Stock
Channel	84 x 3.5 x 30 x 5	Various	1.2	Yellow, White	Ex Stock
Channel	80 x 30 x 3	6m	0.9	Yellow	Ex stock
Channel	75 x 4 x 35 x 5.5	5.5m	1.3	Yellow	Ex Stock
Channel	54 x 30 x 5	6m	1.1	Grey	Ex Stock
Channel	48 x 3.5 x 30 x 4	6m	0.8	Grey	Ex Stock
Channel	43 x 28 x 3	6m	0.6	Grey	Ex Stock
Box	25 x 25 x 3	6m	0.6	Grey	Ex Stock
Box	44 x 44 x 6	6m	1.9	Black, Grey	Ex Stock
Box	51 x 51 x 3	6m	1.2	Yellow	Ex Stock
Box	51 x 51 x 6	6m	2.2	Yellow	Ex Stock
Angle	100 x 60 x 8	6m	2.4	Grey	Ex Stock
Angle	75 x 50 x 3.5	6m	0.9	Blue	Ex Stock
Angle	75 x 50 x 6	6m	1.5	Grey	Ex Stock
Angle	50 x 45 x 5	6m	1.0	Grey	Ex Stock
Z-Section	35 x 64 x 35	6m	TBA	Grey	Ex Stock

Profile	Dimensions (mm)	Cut Length's	Weight (kg/m)	Standard Colour	Availability
Solid Rod	3.5	6m	0.05	Natural	Ex Stock
Solid Rod	8	4m	0.2	Natural	Ex Stock
Solid Rod	12.7	6m	0.3	Natural	Ex Stock
Solid Rod	16.0	3m	0.5	Yell	Ex Stock
Solid Rod	17.5	3m	0.55	Tan	Ex Stock
Solid Rod	19	3m	0.6	Natural	Ex Stock
Solid Rod	22	Various	0.9	Natural	Ex Stock
Round Tube	38 x 2.5	6m	0.6	Yellow	Ex Stock
Round Tube	38 x 5	6m	1.1	Yellow	Ex Stock
Flat Sheet	550 x 3	6m	3.3	Grey	Ex Stock
Flat Sheet	550 x 5	6m	5.5	Grey	Ex Stock
Flat Sheet	560 x 10	6m	11.0	Grey	Ex Stock

Standard Resin System

Isophthalic Polyester

COMPARATIVE PROPERTIES

Unit		Fibretek Standard Profiles	Aluminium T651	Mild Steel	Stainless Steel 316	Rigid PVC
Density	g/cm ³	1.7	2.7	7.8	7.9	1.38
Tensile Strength (L/T)	MPa	300/55	310	414	552	43
Tensile Modulus (L/T)	GPa	17/7	69	207	193	2.7
Flexural Strength (L/T)	MPa	300/100	310	414	552	76
Flexural Modulus (L/T)	GPa	12/5	69	207	193	2.4
Coefficient of Thermal Expansion (L)	$\times 10^{-6}/^{\circ}\text{C}$	9	24	13	17	67
Thermal Conductivity	W/m ² °C	0.6	170	35-60	15-25	0.2