Technical Data

Plate Dimensions	
Length	max. 1500 mm, tolerance ± 1,0 mm For technical reasons, some cross-sections are only available in shorter lengths. The minimum length depends on the specific requirements and the desired cross-section.
Height	150 mm bis 500 mm (centre to centre distance), tolerance ± 2,0 mm
Thickness	Standard: 30 mm thickness, tolerance ± 1,0 mm For 500 mm height (centre to centre): 35 mm thickness, tolerance ± 1,5 mm Special cross sections may differ. Dimensions and tolerances as specified in the technical drawing
Dimensional Stability (DIN EN 1304)	
Warpage	± 0,25 % of the diagonal (out of plane)
Straightness	± 0,25 % of the length or height (in plane)
Flatness	± 0,25 % of the length (out of plane) ± 0,70 % of the height (out of plane)
Squareness	Panel height ≤ 300 mm: ± 1.0 mm (in plane) Panel height > 300 mm: ± 1.5 mm (in plane)
Weight (dry)	depends on the selected cross section
Bulk density	≥ 2,0 g / cm^3
Load bearing capacity (DIN EN 1304)	Mean value ≥ 1,5 kN / lowest individual value ≥ 1,2 kN Flexural strength: 12 - 20 N/mm^2
Water absorption (DIN EN 539-2)	between 3 % and 8 %, depending on colour
Moisture expansion	approx. 0,03 %
Frost resistance (DIN EN 539-2)	verified in accordance with test reports issued by Güteschutz Ziegel e. V.
External monitoring	IFBT GmbH, Institute for Facade and Fixing Technology, Leipzig Güteschutz Ziegel e. V. (testing, monitoring and certification bodies recognised by the building authorities)
Test Certificates	German general building authority approval: Z-10.3-784 Test reports issued by Güteschutz Ziegel e. V. covering dimensional stability, load bearing capacity, water absorption and frost resistance Test reports issued by IFBT Leipzig on load bearing capacity and ball impact resistance in accordance with DIN 18032-3 Test reports issued by BAUTEST Dresden GmbH on acid and alkali resistance