

LONGOTON® -Clay-Tile-Facade
Technical Data and Certificates for Standard Extruded Facades
Based on DIN EN 1304



1. Dimensions with dimensional stability and trueness of shape
 - 1.1. Length (axis) 500 to 3.000 mm
Tolerance ± 1 mm
 - 1.2. Height (axis) 150 to 1.000 mm
Tolerance ± 1.0 % within one production, max. 4 mm
 - 1.3. Thickness 40 mm
Tolerance ± 1.5 mm
 - 1.4. Longitudinal Bending
Tolerance ± 0.5 % of length
 - 1.5. Transverse bending
Tolerance $\pm 1,0$ % of height
 - 1.6. Wing spacing
Tolerance ± 0.7 % of length + height
 - 1.7. Edge bending (bend in tile level)
Tolerance ± 0.5 % of length of edge
 - 1.8. Angle difference
Tolerance $90^\circ \pm 0.5$ %
2. Weight (dry)
6.5 g per cm² tile-surface (axis size), Tolerance ± 15 %
3. Density of material
 ≥ 2.0 g/cm³ (DIN 105 Part 4 Ceramic-Brick)
4. Load Bearing Capacity
3-point bending torque by breakage: spacing between supporting points 3/5 of the tile length
Bending torque: Average = 2.0 KNm/m, smallest measured value = 1.5 KNm/m
5. Frost Resistance according to DIN EN 539, Part 2 accomplished (150 frost cycles)
6. Surface Condition and Texture
Requirement according to DIN EN 1304, Appendix B accomplished
7. Quality Protection by the established institute for certifying of technical approved construction products
öGüteschutz Ziegel für das Land Bayern e.V. (Quality protection for clay products of State of Bavaria e.V.)
8. Test certificates, certificates and appraisals for the facade panels, frost resistance, fire resistance and fire-extinguishing