

# MOEDING ALPHATON®

Technical Data and Certificates for Standard Extruded Facades  
Based on national technical approval for building products Z-33.1-531



1. **Dimensions with dimensional stability and trueness of shape**
  - 1.1. **Length (axis in length of holes)** 150 to 1.200 mm (1.500 mm)  
Tolerance  $\pm 1$  mm
  - 1.2. **Hight (axis hight)** 150 to 300 mm  
Tolerance  $\pm 1,2$  %
  - 1.3. **Thickness** 30 mm  
Tolerance  $\pm 2,0$  mm
  - 1.4. **Longitudinal Bending** in direction of holes  
Tolerance  $\pm 0,7$  % of length
  - 1.5. **Transverse bending** across holes  
Tolerance  $\pm 1$  % of length
  - 1.6. **Wing spacing** (height of gap at four-point-measurement)  
Tolerance  $\pm 0,7$  % of length + height
  - 1.7. **Edge bending** (bend in tile level)  
Tolerance  $\pm 0,5$  % of length of edge
  - 1.8. **Angle difference left/right** of cut ends of tile in direction of holes  
Tolerance  $90^\circ \pm 0,3^\circ$ , or 0,5 mm in 100 mm
2. **Weight (dry)**  
4,2 g per cm<sup>2</sup> tile-surface (axis size), Tolerance  $\pm 15$  %
3. **Density of material**  
 $\geq 2,0$ g/cm<sup>3</sup> (DIN 105 Part 4 Ceramic-Brick)
4. **Load Bearing Capacity** according to DIN EN 538,  
Bending torque by breakage: Average  $\geq 1,2$  KNm/m, smallest measured value  $\geq 1,05$  KNm/m
5. **Water absorption** 4% - 7%
6. **Frost Resistance** according to DIN EN 539, Part 2 accomplished (150 frost cycles)
7. **Surface Condition and Texture**  
Requirement according to DIN EN 1304, Appendix B accomplished
8. **Quality Protection** by the established institute for certifying of technical approved construction products  
„Güteschutz Ziegel für das Land Bayern e.V.“ (Quality protection for clay products of State of Bavaria e.V.)
9. **Certification for Technical Approval**  
**National technical approval for construction products Z-33.1-531:** Ventilated rainscreen cladding for external using with ALPHATON® clay-tiles  
**National technical test certificate P-2.17-001:** Sub construction for Moeding Keramikfassade
10. **ational static test certificates of building products**  
Horizontal aluminium sub construction for Moeding-ALPHATON® clay tile facade  
(Including: Clay tile to horizontal profile)  
Moeding-ALPHATON®-clay tile facade with aluminium sub construction- applied for test certificate -  
(Including tile to dowel)
11. **Test Certificat according to DIN 18516 external wall cladding, ventilated,** Part 1: requirements, test principles, Attachment C (normative): „test principles for small format facade tiles“
12. **Certificate of Conformity „Accordance to the Requirements of DIN 18516, Part 1“**
13. **Test Certificates, Certificates of Conformity** on request for Frost Resistance, Ventilation of construction, sound proofing, fire resistance and fire extinguishing, radar reflection test, SO<sub>2</sub>-Test

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