



AGGLONORD advanced quality stone

GENERAL TECHNICAL DATA SHEET AQ-STONE MICROCHIP

COMPOSITE MARBLE - RESIN BONDED (CHIPS SIZE 0-15 mm)

| CHARACTERISTICS | STANDARD | AVERAGE VALUE |
|--|------------------|---|
| Density | EN 14617-1 | 2453 - 2466 kg/m ³ |
| Water Absorption (rel. to mass) | EN 14617-1 | 0,02% - 0,12% |
| Flexural Strength | EN 14617-2 | 22 - 35,4 MPa |
| Thermal Shock Resistance | EN 14617-6 | $\Delta m\% \leq 0,14\%$ $\Delta R_{f20}\% \leq 28,9\%$ |
| Freeze - Thaw - Resistance (25 cycles) | EN 13501-5 | KM _{f125} 0,94 - 1,00 |
| Impact Resistance - Thickness 20 mm | EN 14617-9 | 1 - 3,1 J |
| Compressive Strength | EN 14617-15 | 116 - 120 MPa |
| Resistance to Abrasion | EN 14617-4 | 21,3 - 37 mm |
| Coefficient of Linear Thermal Expansion | EN 14617-11 | $\alpha = 13,3 - 28 \times 10^{-6}/^{\circ}\text{C}$ |
| Slip Resistance honed surface | DIN 51130 | R 9 - R 10 |
| Slip Resistance honed surface | EN 14231 | Dry: SRV 56 Wet: SRV 27 |
| Reaction to Fire | EN 13501-1 | A2 _{f1} -s1 |
| Mohs Hardness | EN 101 | 3 - 4 |
| Chemical Resistance | EN 14617-10:2012 | C 1 |
| Dimensional Stability | EN 14617-12 | Class A (<0,3 mm) |
| Thermal Conductivity (tabulate value as per ISO 10456) | EN 12524 | 2,0 W / (m×K) |
| Electrical Resistivity | EN 1417-13 | Ref.surface $P_s \geq 10^{12} \Omega$ Ref. Volume $P_v \geq 10^{10} \Omega \times m$ |

All values are average values and an indication only - The tested samples were taken of standard production - Tests from: 2008 - 2023