

Material properties – Eurocell Profiles



All together better



TECHNICAL INFORMATION

Material property	Requirement	Achieved
Charpy impact strength	12 Kj/m	Pass
Tensile yield stress	38 Mpa	Pass
Modulus	2250 Mpa	Pass
Tensile impact @ 23°C	600 Kj/m ²	Pass
Tensile impact @ -10°C	400 Kj/m ²	Pass
Vicat softening temperature	75°C	Pass
Thermal stability	85 mins	Pass
Heat reversion	2% frames 3% beads	Pass
Heat ageing	No bubbles /cracks / delamination	Pass
Low temperature impact (10°C)	No cracking through surface	Pass

Materials

All materials are subjected to stringent quality control procedures, to ensure the highest standards are maintained at all times

Description

External grade PVC-U extrusion compound

Colours

White: RAL9003

Cream: RAL1015*

Application

PVC-U window profiles and glazing beads

Physical properties

(Extruded profile samples)

BS: 2782 Test Methods

Reinforcement

Galvanised steel to BS 1449:Part 1 (CR2) and BS 2989 (Z2, Grade C). Aluminium alloy to specification 6063 or 6082, BS 1474:1987

* closest match