

Technical Data Sheet

PENLOC 1:1R - Low-odour and Non-flammable Toughened Acrylic Adhesive

PENLOC 1:1R is a fast curing high strength, toughened acrylic adhesive, which will bond metals, plastics, wood, glass and composites to themselves or in any combination.

PENLOC 1:1 R is a medium viscosity and can be used bead on bead direct from the cartridge without the need of an additional mixer. This unique property allows stop-start usage without wastage or mixer blockage.

TECHNICAL DATA

Colour: Blue
 Resin: Methacrylate

UNCURED PROPERTIES

Viscosity (Brookfield LVT): 4000 mPa*s
 Flash point : >80 ºC
 Pot-Life: 3 min.

CURING

Handling Strength: 3 -5 minutes
 Full Strength: 1 hour

SHEAR STRENGTH

Steel: 20 N/mm
 Brass: 20 N/mm
 Aluminium: 18.1 N/mm
 PVC: 2.6 N/mm
 PA: 6.2 N/mm

CURED PROPERTIES

Temperature resistance: -20 to 120 ºC
 Hardness Shore D: 65 to 75
 Shrinkage: 7.6%



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