

ManuMastery AT — Double-sided acrylic tape

Viscoelastic acrylic foam double-sided tape for durable, structural bonding on high surface energy substrates (metal, glass, rigid plastics). Distributes stress evenly, compensates for surface irregularities and dampens vibration.

PROPERTIES

Technology	Acrylic foam
Colours	Transparent / Grey / White
Thicknesses	1.0 / 1.2 / 1.5 / 2.0 mm
Roll length	33 m (16.5 m for 2.0 mm)
Widths	6 / 9 / 12 / 15 / 19 / 25 mm + custom
Core density	approx. 1.05 g/cm ³
Working temperature	+90 °C long-term / +150 °C short-term
Dynamic shear strength	> 1500 kPa (ASTM D1002)
Full adhesion build-up	72 h (50% after 20 min → 100% after 72 h)
Peel adhesion	test report in preparation

SUBSTRATES

Holds without primer (HSE/MSE):

steel, aluminium, stainless steel, glass, ceramics, ABS, polycarbonate, PMMA/acrylic sheet, rigid PVC, wood, paint (verify powder coating)

Not recommended (LSE):

PP, PE, TPO, TPE, silicone, PTFE

APPLICATION

1. Clean and degrease the substrate (e.g. isopropyl alcohol).
2. Apply at +15 to +35 °C and press firmly.
3. Full strength is reached after 72 h at room temperature.

STORAGE

Store at +15 to +35 °C, dry, away from direct sunlight.