

# BX SERIES

## NON-IRRITANT, LOW ODOUR, NON-STAINING INSTANT ADHESIVES

The AFINITICA® BX Series adhesives are based on a new manufacturing process proprietary of AFINITICA. They are more user friendly, due to the non-irritant monomer. Further their low odour, they do not stain, guaranteeing perfect finishes in the applications that require more detail.

### FEATURES



LOW ODOUR



ADHESION ON  
POLYSTYRENE



INSTANT  
ADHESION



NON-IRRITANT

- Bonds in 15 seconds
- High bonding strength
- Non lachrymatory, non-irritant, label free
- Low odour and non-staining
- More flexibility than conventional instant adhesives
- Bonds a large range of materials (\*), including polystyrene
- Transparent and easy to use
- Available in different viscosities: low (BX01), medium (BX03) and high (BX05)

### TYPICAL APPLICATIONS

- General assembly of close-fitting parts
- Quick repairs on any material (\*)
- Crafts with polystyrene
- Bonding transparent materials



(\*) Except polyolefins

# TECHNICAL DATA

BASE	Methoxyethyl Cyanoacrylate
VISCOSITY	BX01 (40-60cP), BX03 (120-250cP), BX05 (1200-1500cP)
COLOUR	Transparent
OPERATING THERMAL RANGE	-20 °C up to +80 °C
GAP FILLING CAPACITY	BX01 (0,10 mm), BX03 (0,15 mm), BX05 (0,20 mm)
OPEN TIME	Up to 2 hours, depending on substrate and viscosity

SUBSTRATE	FIXTURE TIME (seconds)	SHEAR STRENGTH (24 h, kg/cm <sup>2</sup> )
Pine wood	BX01: 20-105 BX03: 30-60 BX05: 20-45	BX01: 60-110* BX03: 80-130* BX05: 90-110*
Beech wood	BX01:20-50 BX03: 15-35 BX05:15-45	BX01: 70-110* BX03: 90-160* BX05: 110-140*
Steel	BX01:10-60 BX03: 15-75 BX05:15-60	BX01: 120-150 BX03: 100-200 BX05: 70-120
Aluminium A5754	BX01:30-120 BX03: 90-120 BX05:45-75	BX01: 60-80 BX03: 30-90 BX05: 44-62
ABS	BX01:40-50 BX03: 25-60 BX05:20-50	BX01: 100-120* BX03: 110-130* BX05: 110-122*
Polycarbonate	BX01: 30-90 BX03: 90-150 BX05: 45-90	BX01: 25-95 BX03: 30-95 BX05: 32-39



## AVAILABLE FORMATS

5 g	20 g	50 g	500 g	20 kg
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(\*) Substrate failure