

# BX SERIES

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

The AFINITICA® BXY Series adhesives are based on a manufacturing process proprietary of AFINITICA. These products are based in a special grade Methoxyethyl monomer which improves fixture times (bonds in 3 seconds) and allows a longer shelf life. 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 3 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 (BXY01), medium (BXY03) and high (BXY05)
- Can be certified under ISO10993 to use in medical devices

### TYPICAL APPLICATIONS

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



(\*) Except polyolefins

# TECHNICAL DATA

BASE	Methoxyethyl Cyanoacrylate
VISCOSITY	BXY01 (40-80 cP), BXY03 (120-170 cP), BXY05 (700-1.000 cP)
COLOUR	Transparent
OPERATING THERMAL RANGE	-20 °C up to +80 °C
GAP FILLING CAPACITY	BXY01 (0,10 mm), BXY03 (0,15 mm), BXY05 (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	BXY01: 5 - 20 BXY03: 15 - 25 BXY05: 10 - 20	BXY01: 100 - 140* BXY03: 110 - 130* BXY05: 100 - 120*
Beech wood	BXY01: 5 - 20 BXY03: 5 - 10 BXY05: 5 - 15	BXY01: 80 - 100* BXY03: 120 - 140* BXY05: 130 - 150*
Steel	BXY01: 5 - 15 BXY03: 5 - 10 BXY05: 5 - 15	BXY01: 90 - 140 BXY03: 80 - 130 BXY05: 100 - 140
Aluminium A5754	BXY01: 15 - 30 BXY03: 5 - 10 BXY05: 10 - 20	BXY01: 30 - 50 BXY03: 40 - 50 BXY05: 30 - 50
ABS	BXY01: 15 - 25 BXY03: 10 - 20 BXY05: 15 - 30	BXY01: 120 - 130* BXY03: 110 - 120* BXY05: 100 - 130*
Polycarbonate	BXY01: 15 - 25 BXY03: 20 - 30 BXY05: 20 - 30	BXY01: 70 - 100* BXY03: 70 - 90* BXY05: 70 - 90*



## AVAILABLE FORMATS

5 g	20 g	50 g	500 g	20 kg
	◆	◆	◆	◆

(\*) Substrate failure