

BEMO SERIES

INSTANT, NON IRRITANT, ODOURLESS AND LOW BLOOMING ADHESIVES IN GEL

The AFINITICA® BEMO series of adhesives consists of 3 gel formulations based on methoxyethyl cyanoacrylate. This monomer does not irritate, does not smell and does not stain, so the finish is perfect. BEMO adhesives are flexible, impact resistant and have a good peel strength. Each of them has additional properties such as high temperatures and humidity resistance (BEMO 64+), instant adhesion (BEMO 2020) or repositioning of the parts to be joined (BEMO 59), thus covering a wide range of needs of professionals and home users.

PROPERTIES



ODOURLESS



HIGH
STRENGTH



FLEXIBLE



NON IRRITANT

- High bonding strength
- Flexibles
- Bond a large range of materials, including polystyrene (*)
- Non irritant, non lachrymatory, "label free"
- Odourless, low blooming
- Impact resistance
- Peel resistance
- Gel consistency
- Repositionable (BEMO 59)
- High temperature and humidity resistance for outdoor use (BEMO 64+)
- Patented formulation (BEMO 64+)
- Bonds in 5 seconds (BEMO 2020)

TYPICAL APPLICATIONS

- General bonding of close-fitting parts
- Instant repairs (*)
- Polystyrene handcrafts
- Bonding of transparent parts
- General assembly



(*) Except polyolefins

TECHNICAL DATA

BASE	Methoxyethyl Cyanoacrylate
VISCOSITY	BEMO 59 (30.000-50.000 cP), BEMO 64+ (17.000-50.000 cP), BEMO 2020 (17.000-25.000 cP)
COLOUR	Transparent (BEMO 59 y BEMO 2020) or whitinsh (BEMO 64+)
OPERATING THERMAL RANGE	-20 °C up to +150 °C (depending on the product)
GAP FILLING CAPACITY	≈0,25 mm
OPEN TIME	2 hours

SUBSTRATE	FIXTURE TIME (seconds)	SHEAR STRENGTH (24 h, kg/cm ²)
Pyne Wood	BEMO 59: >300 BEMO 64+: 60 - 90 BEMO 2020: 10 - 25	BEMO 59: 80 - 110* BEMO 64+: 100 - 120 BEMO 2020: 100 - 120*
Beech Wood	BEMO 59: 180 - 300 BEMO 64+: 30 - 50 BEMO 2020: 10 - 20	BEMO 59: 120 - 140* BEMO 64+: 120 - 140 BEMO 2020: 120 - 140*
Mild Steel	BEMO 59: 150 - 270 BEMO 64+: 35 - 45 BEMO 2020: 10 - 25	BEMO 59: 160 - 190 BEMO 64+: 170 - 220 BEMO 2020: 60 - 100
Aluminium A5754	BEMO 59: >300 BEMO 64+: 25 - 40 BEMO 2020: 10 - 20	BEMO 59: 70 - 140 BEMO 64+: 110 - 130 BEMO 2020: 60 - 80
ABS	BEMO 59: 60 - 105 BEMO 64+: 50 - 75 BEMO 2020: 15 - 50	BEMO 59: 100 - 120* BEMO 64+: 90 - 100* BEMO 2020: 90 - 110*
Polycarbonate	BEMO 59: 180 - 240 BEMO 64+: 150 - 170 BEMO 2020: 5 - 15	BEMO 59: 30 - 50 BEMO 64+: 50 - 70 BEMO 2020: 50 - 70



AVAILABLE FORMATS**

5 g	20 g	50 g	500 g	20 kg

(*) Substrate failure

(**) To be confirmed