

ELASTO BOND™ 70

Polyurethane
gel adhesive

MIXING RATIO
1A : 1B
by volume

CHARACTERISTICS

Shore A 70 hardness

Excellent flexibility

Highly thixotropic

Can be colored



Contact

POLYMÈRES TECHNOLOGIES

for more information:

support@polymerestechologies.com

DESCRIPTION

ELASTOBOND™ 70 is a two-component, 100% solids elastomeric adhesive. This adhesive provides a flexible bond between different substrates. Ideal for assembling substrates with different thermal expansion rates and that are subject to significant thermal shock.

ELASTOBOND™ 70 offers excellent impact characteristics. In addition, its thixotropy level allows for vertical application without flow.

This polyurethane-based adhesive adheres perfectly to several substrates including stainless steel, galvanized steel, rubber, concrete, and plastic (depending on the type), with adequate surface preparation.

INSTRUCTIONS

Install the cartridge into the 400 ml applicator gun (1:1 by volume). Squeeze 1 inch of material out of the cartridge before attaching the static mixer to ensure that parts A and B are equally dispensing.

Place the static mixer on the cartridge, ensuring that the nut is securely tightened. Squeeze 1 inch of material out of the static mixer to ensure that the outputs of parts A and B are balanced.

At a temperature of 22°C, the product will remain dispensable for a period of 20 minutes. If an attempt is made to dispense the product beyond this time, the product on the tip of the static mixer may have reacted and may no longer be dispensable.

Uncured material can be cleaned using our eco-friendly resin cleaner POLY CLEANER™.

See *PRECAUTIONS* on the last page for more information on storing ELASTOBOND™ 70.



ELASTO BOND™ 70

Polyurethane
gel adhesive

MIXING RATIO
1A : 1B
by volume

CHARACTERISTICS

Shore A 70 hardness

Excellent flexibility

Highly thixotropic

Can be colored



Contact

POLYMÈRES TECHNOLOGIES

for more information:

support@polymerestechologies.com

TYPICAL PROPERTIES (AT 22 °C/72 °F)	PART A	PART B	MIXTURE
VISCOSITY	Thixotropic gel		
DENSITY(g/cm ³)	1.11	1.13	1.12
MIXING RATIO BY WEIGHT	100	100	100/100
MIXING RATIO BY VOLUME	1	1	1/1
COLOR	White	Light amber	White / ivory
POT LIFE (200cc)	20 minutes		
CURING TIME	4 – 6 hours		
FULL CURE	12 – 24 hours depending on the applied quantity		

PHYSICAL PROPERTIES (SOLID STATE AFTER 7 DAYS AT 22°C/72°F)

TESTS	METHOD	RESULTS	
HARDNESS	ASTM D 2240	Shore A	74
TENSILE STRENGTH	ASTM D 638 Type IV	MPa*	3.1
ELONGATION AT BREAK	ASTM D 638 Type IV	%	125
TEAR RESISTANCE	ASTM D 624 Mold C	N/mm	22.3**

*1 MPa = 145 lbs/in²
**1 N/mm = 5.7 lb/in²



PRECAUTIONS

- Consult material safety data sheet before use.
- Do not apply if the temperature is below 13°C (55°F) and the relative humidity is above 80%, as microbubbles may form on the surface.
- Normal health and safety measures should be observed when handling this product.
- Ensure good ventilation.
- Wear gloves, safety glasses, and protective clothing.
- Do not use part A without its part B, and vice versa. Shake well parts A and B separately before use.
- Once the container is opened, POLYMÈRES TECHNOLOGIES can no longer be held responsible for this product.
- Shelf life of this product in original containers is one (1) year from the date of purchase, under recommended storage conditions.
- Sealing the cover: Many resins are sensitive to ambient humidity. In order to preserve the product, make sure to cover the product under a nitrogen atmosphere.
- Keep from freezing. Store this product at 22°C (72°F).

It is recommended to follow provincial and federal safety regulations. In case of eye contact, rinse well with water. In case of skin contact, rinse with soap and water. Keep away from children.

ASSUMPTION OF RISK

The customer assumes all risk and liability for the results obtained by the use of any POLYMÈRES TECHNOLOGIES product, including, without limiting the generality of the foregoing, the use of the CHILL EPOXY™ line of products, and the use of any process, whether in terms of general effectiveness, success, or failure, and regardless of any oral or written statement made by way of technical advice or otherwise, related to the use of any POLYMÈRES TECHNOLOGIES product.

sales@polymerestechologies.com

6330 Boulevard Laurier O, Saint-Hyacinthe, QC J2S 9A7

+1 (450) 250-3058