



XPU 18045 An/B

TWO COMPONENT POLYURETHANE ADHESIVE

YOUR SMART ADVANTAGES

- Structural bonding supporting cryogenic conditions.
- GTT approval (*) for bonding of secondary barrier to rigid secondary barrier and stainless steel (PTBS) in LG (Liquefied Gas) applications.
- Specifically designed for Manual and Automatic application.

(*) M3006, M3024, M4006 and M4024

DESCRIPTION

XPU 18045 An/B is a flexible two component polyurethane adhesive which can cure at ambient temperature or with heating. It is particularly adapted as solution regarding technical requirements of structural bonding supporting cryogenic conditions. **XPU 18045 An/B** is suitable to bond parts of insulation panels, top bridge pads, flexible secondary barrier to rigid secondary barrier.

MAIN PROPERTIES

XPU 18045 An/B has a very long open time which allows applying the product manually in specific conditions of application which are perfectly adapted to the demand for production of containment system in LG (Liquefied Gas) applications.

MIXING RATIO

By Weight: 100(An): 83(B)

Ratio tolerance in Weight: $\pm 4.5\%$

- 100(A3n) : 79(B) ~ 100(A3n) : 87(B)

By Volume: 100(An): 100(B)

Ratio tolerance in Volume: $\pm 2.5\%$

- 100(A3n) : 95(B) ~ 100(A3n) : 105(B)

METHOD OF USE

XPU 18045 An/B could be used by dosing machines (Drums) or dispensed manually by Cartridges. The bonded substrates must be clean and free from bonding contaminant agents. The wetting of surfaces by the adhesive depends upon their nature and surface energy. The resin and its hardener must be thoroughly mixed (Static or dynamic mixer).

Attention: Operating temperature must be more or equal to 15°C for adhesive and substrate. **For more details, please refer to GTT bonding handbook.**

STORAGE

XPU 18045 An/B can be stored up to 32 weeks in the original unopened packaging (drums or cartridges), in a dry place (between 5°C and 30°C and lower than 70% H.R). If products have been stored at temperatures over 35°C, there is a risk of decantation.

PHYSICAL CHARACTERISTICS FOR XPU 18045 An

CHARACTERISTIC		VALUE	METHODS
Appearance		Viscous liquid	
Color		Blue	
Viscosity RVT At 23°C Spindle 7-20 rpm	[mPa.s]	35,000 $\pm 10,000$	BOSTIK 01-60 (ISO 2555)
Viscosity RVT of the MIX At 23°C Spindle 7-20 rpm	[mPa.s]	> 47,000	BOSTIK 01-60 (ISO 2555)
Density		1.42 \pm 0.02	BOSTIK 01-050

PHYSICAL CHARACTERISTICS FOR XPU 18045 B

CHARACTERISTIC		VALUE	METHODS
Appearance		Liquid	
Color		Beige	
Viscosity RVT At 23°C Spindle 7-20 rpm	[mPa.s]	26,000 \pm 6,000	BOSTIK 01-60 (ISO 2555)
Viscosity RVT of the MIX At 23°C Spindle 7-20 rpm	[mPa.s]	> 47,000	BOSTIK 01-60 (ISO 2555)
Density		1.18 \pm 0.01	BOSTIK 01-050

CHARACTERISTICS OF MIXTURE

According BOSTIK method 06-060
Pot life 100 cm³ at 23°C: 96 ~ 136 minutes.

PACKAGING

- XPU 18045 An : 18.5 Kg Drum
- XPU 18045 B : 15.5 Kg Drum
- XPU 18045 An/B : 2 x 200 ml Cartridge

FURTHER INFORMATION

The following publication is available on request.

- Material Safety Data Sheets (MSDS)

The information given and recommendations made herein are based on Bostik's research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and the equipment used for application. Any change in any of these variables can affect the product's performance. It is the buyer's obligation, prior to using the product, to test the suitability of the product for an intended use under the conditions that will exist at the time of the intended use. Bostik does not warrant the product's suitability for any particular application. The product is sold pursuant to Bostik's Terms and Conditions of Sale that accompanies the product at the time of sale. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

SMART HELP

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