XPU 16305 A/B

POLYURETHANE ADHESIVE

DESCRIPTION

- XPU 16305 is a solvent-free, 2K PU polyurethane adhesive.
- XPU 16305 (part A) is a hydroxy-terminated prepolymer.
- XPU 16305 (part B) is a prepolymer of isocyanate used as a curing agent in conjunction with part A.
- XPU 16305 is a high-strength adhesive product, mainly used for stainless steel, aluminum alloy, galvanized sheet, epoxy primer and other substrates of honeycomb board, corrugated board, and other substrates. After the A, B components are evenly mixed with a mass ratio of 5:1, which has a suitable operating time window and has excellent adhesion strength after curing.

RANGE OF APPLICATION

- Composite bonding of aluminum honeycomb board and corrugated board.
- Bonding of sandwich sheets, such as stainless steel, aluminum alloy, galvanized sheet, epoxy primer, etc.
- Other structural bonding applications that require high strength.

FEATURES

- Solvent free.
- Suitable open time.
- Excellent adhesion to a wide range of materials (e.g., Stainless steel, aluminum alloy, galvanized sheet, epoxy primer plate, etc.)

TECHNICAL DATA

CHARACTERISTIC		XPU 16305	
Label		XPU 16305A	XPU 16305B
Basic material		Hydroxyl prepolymer	Isocyanate prepolymer
Appearance		Off-white liquid	Brown liquid
Density	[g/cm³]	1.70±0.05	1.2±0.05
Viscosity	[mPa.s]	50000±15000	200±50

Curing conditions: curing at room temperature or curing at increased temperature (reference conditions 1h@60°C)

TECHNICAL DATA

CHARACTERISTIC		MIXTURE
Appearance		Beige
Operation time	[min]	30min@25℃
Final curing time	[d]	7

Remark: The above data are tested at 20~25°C

METHOD OF USE

XPU 16305 is suitable for hand scraping or machine roller glue, gluing. Specific questions can be consulted by our technical service personnel.
XPU 16305 is suitable for manual scraping or machine roller glue, gluing. Specific questions can be consulted by our technical service personnel.
Before construction, the substrate needs to be cleaned to ensure that the surface of the substrate is free of dust, oil, etc. Surface treatment can improve the bonding effect and ensure long-term effective bonding. The method of surface treatment includes the use of primers, the use of activators, sanding the bonded surface, etc.
The A and B components of the XPU 16305 can be mixed and used manually, but it is recommended to use a suitable mixing equipment to achieve the best mixing effect and product performance. After sizing, the bonded parts need to be kept in place and a certain amount of pressure is applied until the adhesive initially cures. The product must be sprayed within the construction time, beyond the construction time, the viscosity of the adhesive will rise rapidly, affecting the sizing effect. The ambient temperature of the construction is recommended to be between 15 and 35 ° C. Construction and opening hours are shortened with increasing temperatures.

STORAGE

XPU 16305 is recommended for storage at temperatures ranging from 10°C to 30°C. Avoid direct sunlight, heat, frost, and humidity. The shelf life of unsealed products is 12 months, and the remaining glue after unsealing should be used as soon as possible.

XPU 16305 A/B EXPERIMENTAL TECHNICAL DATA SHEET, Jan 2023

PACKAGE

XPU 16305A: 25KG/ Drum
XPU 16305B: 25KG/ Drum

FURTHER INFORMATION

The following publication is available on request:
Material Safety Data Sheet (MSDS Sheet)

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

Please contact your local representative

