

KEOL

UV ADHESIVE

K-LITE 826



826 adhesive from the K-LITE range is an epoxy-based photosensitive resin. Ideal for structural bonding applications on glass as well as plastic materials with high transmission rates. Its resistance to high temperatures and humidity make it an ideal candidate for assemblies in harsh environments.

- TEMPERATURE RESISTANCE
- FAST HARDENING
- HUMIDITY RESISTANCE

CHEMICAL BASIS

Epoxy

DENSITY

1.14

COLOR

Transparent

HARDNESS

40 +/-5 D

VISCOSITY

950

PROPERTIES

826

Chemical basis

Epoxy

Appearance

Liquid

Viscosity @(23°C) 3RPM mobile S3 Brookfield mPas

950

Density @20°C

1.14

Color

Transparent

Refractive index

1,475

Absorption wavelength (nm)

365 max.

Polymerization energy (J/cm²=Ws/cm²)

5

Breaking strength (ISO 527-1) (MPa)
480 mW/cm², 10 seconds, 365 nm

26

Elongation at the breakup (%)
480 mW/cm², 10 seconds, 365 nm

36

Shear pull
MPa) (EN 1465)
365nm; T+24h;5J/cm²

PMMA/PMMA	3
GLASS/ GLASS.	4
PMMA/ALU 2024.	3

Shore D hardness

40 +/-5 D

Temperature range of use °C

-50 to +200

Shelf life in packaging

6 months

Complete polymerization (hour)

24

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SURFACE PREPARATION

The strength and durability of joints depend on adequate pretreatment of the surfaces to be bonded. At a minimum, bonded surfaces should be cleaned with a degreasing product to remove all traces of dust, dirt, oils or grease. KEOL CLEANER is particularly recommended for cleaning surfaces before bonding.

Pretreatment of thermoplastic materials like PVC, polycarbonate, polypropylene, PMMA, etc., can be made using a light mixture of ethers or isopropanol. It is not recommended to use strong solvents as they may damage plastic surfaces.

For any other surface, acetone or trichlorethylene can be used for pretreatment. Never use petroleum or any other solvent.

Where possible, perform mechanical abrasion to remove paint from surfaces (if necessary) and to increase the strength and retention of the adhesive. Allow the pretreated surface to dry before applying the adhesive.



PRODUCT STORAGE

The shelf life of 826 adhesive from the K-LITE range is 6 months between 15 and 25°C. For best results, store in a dry place, away from moisture and heat.



PACKAGING

The 826 adhesive from the K-LITE range is packaged in a 30cc syringe, a 600cc cartridge and a 1L pot.



NOTE

The information, and particularly the recommendations regarding application and KEOL products, are given to you in good faith and are based on current knowledge and experience of the products having been properly stored, handled and applied under normal conditions. KEOL cannot take responsibility for results obtained by others since we have no control over their method. It is the user's responsibility to determine the suitability of the products for the specific application for any production methods mentioned in this document. Also, it is up to the user to adopt the necessary precautions as recommended for the protection of the establishment and people against any kind of risks that could arise during the handling and use of the products. KEOL cannot assume all warranties mentioned or implied, including warranties of merchantability or fitness for a specific reason, arising from sales or use of KEOL products. KEOL cannot assume responsibility for incidental consequences or damages of any kind, including lost profits. Users should always refer to the most recent edition of the technical data sheet for the specific product. Copies of this document will be provided upon request.