

KEOL**UV ADHESIVE****K-LITE 700**

700 adhesive from the K-LITE range is an adhesive that has been specially developed for the production of CIPG or FIPG seals. Compressible, its great flexibility allows it to perfectly fill the gaps in the parts to be assembled. Single-component, it is easy to apply and hardens in a few seconds thanks to UV technology. Its adhesion characteristics on plastics and metals allow the creation of a waterproof and durable seal.

- CIPG/FIPG
- COMPRESSIBLE
- RAPID POLYMERIZATION

CHEMICAL BASIS

Acrylate

COLOR

Transparent

HARDNESS

55A

CURING

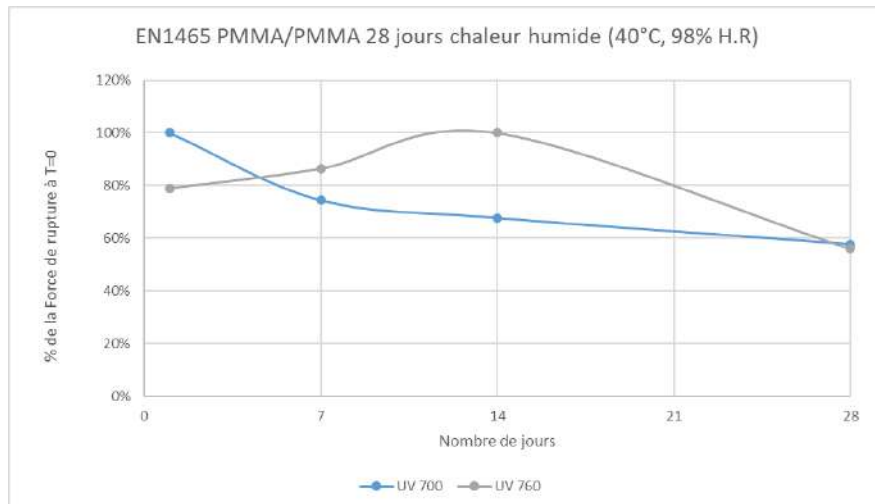
UV

PROPERTIES

K-LITE 700

Chemical basis	Urethane Acrylate
Color	Transparent
Appearance	Capillar
Viscosity @23°C Brookfields mPa.s	70 - 150
Specific gravity @20°C	1.00
Refractive index	1,497
Absorption wavelength (nm)	365-405
Curing energy (J/cm ² =Ws/cm ²)	4
Thickness 0.15mm	9
Thickness 4.0mm	
Tensile strength (ISO 527-1) 350 mW, 25 seconds, 405 nm	4.5
Elongation at break (%) 350 mW, 25 seconds, 405 nm	700
Shear tension (MPa) (EN 1465) 405 nm, T+24h, 4J/cm ²	
PC/PC	4
PMMA/PMMA	3
GLASS/GLASS	4
PC/STEEL	2
PMMA/ALU 2024	3
Shore A hardness	55A
Temperature range of use	-50°C to +150°C
Glass transition temperature (°C)	25.5
Water absorption (%m/m, 24h, 23°C, submersion)	1.3%
Complete polymerization after (hour)	24

LE K DES COLLES !

KEOL**UV ADHESIVE****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. K-CLEANER is particularly recommended for cleaning surfaces before bonding. Pretreatment of thermoplastic materials like PVC, polycarbonate, polypropylene, PMMA, etc., can be done 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.

STORAGE AND PRODUCT LIFE

Store away from sunlight in the original container. Shelf life of the product under proper storage conditions is 6 months at room temperature.

PACKAGING

K-LITE 700 is packaged in a 30cc syringe, 600cc cartridge, 1L jar and 20Kg drum.

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 up to the user 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 respective product. Copies of this document will be provided upon request.