

UV ADHESIVE

K-LITE 280

KEOL K-LITE 280 is designed to optimise the bonding of glass and plastic materials, providing reliable and durable assemblies in demanding environments where they are exposed to moisture or solvents. This versatile resin is compatible with a variety of application processes, making it ideal for a wide range of industrial and technical applications.

- SINGLE COMPONENT
- FAST CURE
- FLEXIBLE
- CHEMICAL STABILITY

CHEMICAL BASIS	ACRYLIC
CURING TIME	15 SECONDS
COLOR	TRANSPARENT
HARDNESS	40 D

PROPERTIES	UNITS	K-LITE 280
Brookfield viscosity at 23°C	mPa.s	30,000
Density à 20°C	-	1.15
Color	-	Transparent
Absorption wavelenght	nm	385 - 405
Curing time at 405 nm	s	15
Curing intensity at 405nm	mW/cm ²	300
Tensile strenght (ISO 527-1)	MPa	6
Elongation (ISO 527-1)	%	100
Adhesion (EN 1465)		
	PC/PC	MPa 4
	PC/ALUMINIUM 5754	MPa 4
	PMMA/PMMA	MPa 4
	GLASS/GLASS	MPa 6
Hardness shore D	-	40
Water absorption (ISO 62)	%	2
Temperature range	°C	- 40 to +150

COLLE UV**SURFACE PREPARATION**

The strength and durability of joints depend on proper pretreatment of the surfaces to be bonded. At a minimum, the bonded surfaces should be cleaned with a good degreaser in order to remove all traces of dust, dirt, oils or grease. The pretreatment of thermoplastic materials such as PVC, polycarbonate, polypropylene, PMMA, etc., can be made using a light blend of ethers or isopropanol. It is not recommended to use strong solvents as they may damage the plastic surfaces. For any other surface, acetone or trichlorethylene can be used for the pretreatment. Never use petroleum or any other solvent. When possible, perform mechanical abrasion to remove paint from surfaces (if necessary) and to increase adhesive strength and retention. Allow the pretreated surface to dry before applying the adhesive.

**PRODUCT PACKAGING**

K-LITE 280 is available in 30cc syringes, and 600cc cartridges.

Storage temperature between 15 and 25°C. The product should be stored in a dry place, away from moisture and excessive heat.

**NOTE**

The information, and particularly the recommendations regarding the application and the 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 the 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 method. production costs 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 the people against all kinds of risks that could arise during the handling and use of the products. KEOL cannot assume all the guarantees mentioned or implied, including guarantees of market value. or compliance for a specific reason, arising from sales or use of KEOL products. KEOL cannot assume liability 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 product concerned. Copies of this document will be provided upon request.