

UV ADHESIVE

K-LITE 284 CC

K-LITE 284 CC is a dual cure conformal coating designed to protect printed circuit boards.

It is a single-component, low-viscosity coating that is suitable for spraying. It offers excellent resistance to moisture and chemicals, and has a low odour before and after curing. It also provides excellent resistance to yellowing.

- **SINGLE COMPONENT**
- **DUAL CURE UV/HR**
- **FAST CURE**
- **TEMPERATURE RESISTANCE**

CHEMICAL BASIS	Acrylic
CURING TIME	15 s
COLOR	Transparent
HARDNESS	50 D

PROPERTIES	UNITS	284 CC
Brookfield viscosity at 25°C	mPa.s	620
Density à 20°C	-	1,05
Color	-	Transparent yellow
Optical brightener	-	Yes
Absorption wavelength	nm	250-400
Curing energy (2mm)	mJ/cm ²	1200
Secondary curing – moisture (75%RH, 25°C)	h	72
Working thickness	µm	50-200
Breaking strength (ISO 527-1)	MPa	5
Elongation (ISO 527-1)	%	40
Water absorption (2h, 100°C)	%	0,45
Water absorption (2h, 25°C)	%	0,19
Hardness shore D	-	50
Volume resistivity	ohm.cm	1,3 x 10 ¹⁵
Surface resistance	ohm	1,5 x 10 ¹⁵
Dielectric constant (100kHz)	-	2,51
Breakdown strength	KV/mm	>22
Temperature range	°C	-40 / +130

UV ADHESIVE**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**

KEOL K-LITE 284 CC is available in 1kg and 5kg bottle.

The shelf life is 4 months in the original unopened packaging. Storage temperature between 15 and 25°C. The product should be stored in a dry place, away from moisture and excessive heat, at a temperature between 10°C and 28°C.

**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.