

KEOL

UV ADHESIVE

KEOL-UV 359



KEOL-UV 359 adhesive is a transparent, photopolymerizable, single-component resin. KEOL-UV 359 is ideal for bonding glass, metals.

- ONE-COMPONENT
- FAST UV CURING
- TRANSPARENT

CHEMICAL BASIS

Acrylic

PROCESSING TIME

120-150 s

COLOR

Transparent

SHORE D

60

PROPERTIES	KEOL-UV 359
Chemical basis	Acrylic
Color	Transparent
Brookfield viscosity (mPas) 23 ° C	9000-12000
Density at 23 ° C	1,12-1,15
Absorption wavelength (nm)	380-400
Curing speed (UVA intensity 60mW / cm ²)	30s
Shelf life in the vial (months)	6 months from the date of manufacture in the original container and optimal conditions
Elongation at break% (ISO 527-1A)	30
Hardness (Shore D)	60±5 D
Temperature range	-50°C / +100°C
Complete polymerization after (hours)	24

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SURFACE PREPARATION

Clean the surface by wiping off any heavy grease, oil, dirt or other deposits with a solvent. Contaminants. The surface can also be cleaned with industrial cleaning equipment such as vapor-phase degreasers or hot aqueous baths. If you are working with metal, abrade or roughen the surface to greatly increase the microscopic binding area and increase bond strength.



APPLICATION OF THE PRODUCT

The rate of cure depends on the source of UV light, the thickness of the material, the distance of the light and the UV transmission of the substrates through which the UV light must pass to reach the adhesive.



PRODUCT STORAGE

KEOL-UV 359 has a shelf life of 6 months from production, as long as stored in a cool, dry place. Cartridges should be stored in a sealed plastic bag that is protected from light and any sources of heat inside the original packaging.

Once opened, cartridges have a shelf life which is indicated by the expiration date on the label (as long as the above conditions are met) leaving the last used mixer in the cartridge.



PRECAUTIONS FOR HANDLING THE PRODUCT

The cartridge product should not come into contact with food products or cooking utensils, and certain safety measures should be taken to prevent the contents of the cartridges from escaping and coming into contact with the skin, as the people with very sensitive skin could be affected. It is recommended to use rubber or plastic gloves, as well as eye protection.

The skin should be thoroughly cleansed at the end of each work session by washing it with soap and warm water. Avoid the use of solvents. To dry the skin, use disposable paper. Adequate ventilation is recommended for the work location.

These precautions are explained in more detail in the Safety Data Sheet for the individual products and you should refer to that document for further information.



NOTE

The information, and particularly the recommendations regarding the application and KEOL products, are given to you in good faith and are based on current knowledge and experience with products which have 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 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 of people against all kinds of risks that may arise during the handling and use of the products.

KEOL cannot assume all the guarantees mentioned or implied, including guarantees of market value or of conformity for a specific reason, arising from the sale or use of KEOL products. KEOL cannot assume responsibility for any 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.