



UV ADHESIVE • CODE 5000

Krystal 5000

UV Adhesive

REF EWC/GM803/22112023

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PRODUCT DESCRIPTION

Krystal UV 5000 is a photo-curing adhesive designed for bonding glass to glass and glass to metal (stainless steel) strongly. The viscosity of this product is extremely low while the permeability is excellent. This resin is colourless and transparent in thin film bonding that makes edge bonding between glass seamless.

CHARACTERISTICS

- High clarity
- Excellent weather and aging resistance
- Good thermal and shock resistance
- Excellent penetration of capillary action
- Excellent bonding strength to glass and most metals

PHYSICAL PROPERTIES (UNCURED)

PROPERTIES	SPECIFICATION
Chemical Properties	Acrylic Resin
Appearance	Colourless
Viscosity @ 25°C (S14 100 rpm)	80 - 130
Solvent Content, %	0
Heavy Metal Content, %	0

TYPICAL PROPERTIES OF CURED MATERIAL

PROPERTIES	SPECIFICATION
Hardness, Shore D	68
Refractive Index	1.4769
Shear Strength, Kg/cm ² (Glass to Stainless Steel)	131
Shear Strength, Kg/cm ² (Glass to Glass)	118
Temperature Range °C	-40 to 100

CURE SCHEDULE

PROPERTIES	SPECIFICATION
UV Light Intensity, mW/cm ²	>50
Wavelength	365nm

STORAGE CONDITION

Store original container in a cool and dry area where it is not exposed to high heat or direct sunlight. Advise to store UV adhesive below 25°C.

PACKAGING SIZES

- 50 Gram Plastic Anti-UV Bottle
- 1 Kg Plastic Anti-UV Bottle

SHELF LIFE

This product has 1year shelf life when stored in original, unopened container between 15-25 °C, away from direct light sources.

HANDLING PRECAUTIONS

Some findings indicate a lack of potential for carcinogenicity with the compositions of by long term recurrent application to the skin. However, contact with skin is likely to produce mild transient reddening. It is important to remove adhesive from skin with soap and water thoroughly. Krystal 1000 is of moderate acute toxicity by swallowing. If swallowed, induce vomiting at once and call a physician. Avoid contact with eyes. In case of contact, flush with water for at least 15 minutes and get medical attention immediately. For specific information on this product, consult the Material Safety Data Sheet.

■ COMPLIANCE AND QUALITY

Made under the ISO 9001 quality management system of Vitrochem Technology. RoHS declarations and Safety Data Sheets are available on request.

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All recommendations for the use of our products are based on the current state of our knowledge. The Buyer remains responsible for satisfying itself that the product is suitable for its intended process or purpose. Since we cannot control the application, use, or processing of the product, we accept no responsibility on that basis. Refer to the current controlled data sheet, or contact us, before production use.