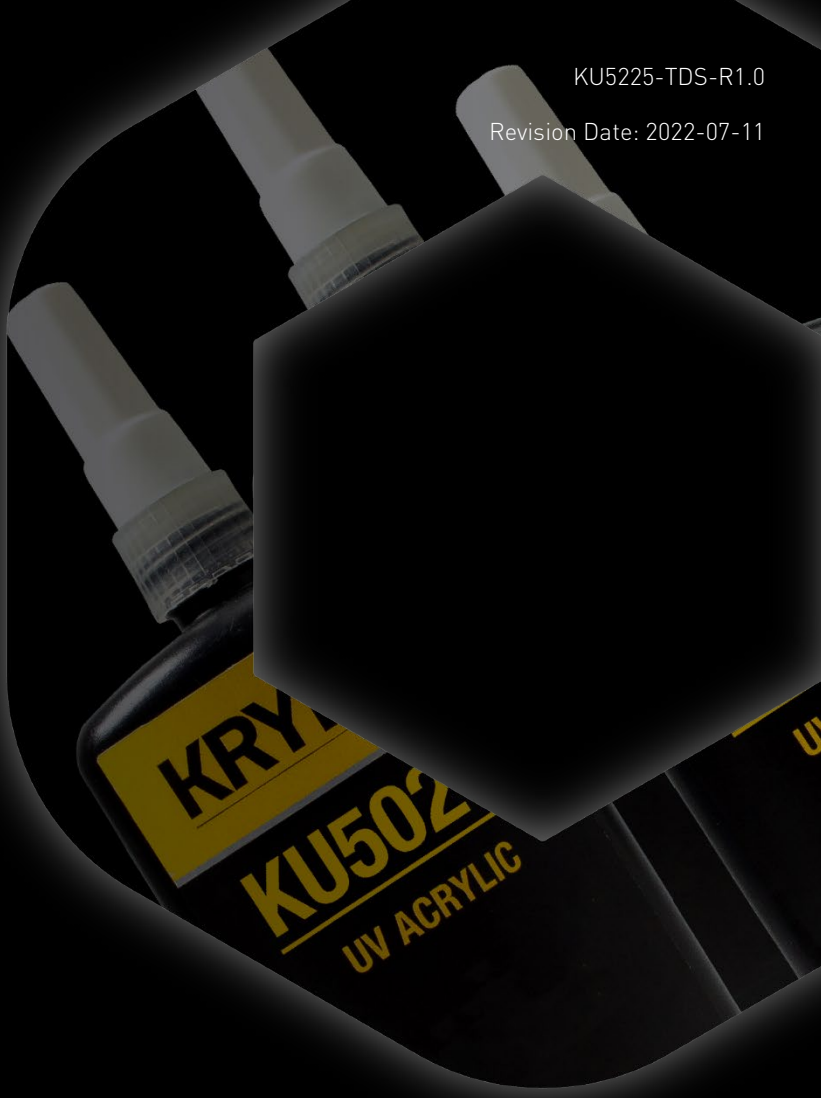
CHEMENCE
CREATING BONDS THAT LAST

KU5225-TDS-R1.0

Revision Date: 2022-07-11



KU5225

Product Description:

Krylex® KU5225 is a fast curing and high strength light cure acrylic adhesive formulated for strong adhesion to many substrates, including low surface energy materials, typical plastics, metals, glass and glass filled epoxy. This material is well suited for use as a conformal coating to protect electronic components from environmental factors.

Product Features

- Instant cure with UV light
- Excellent multi-substrate adhesion
- High peel and shear adhesion values
- 100% solids

Cure Notes

- Instant UV cure
- Ficture time glass/glass: 3 seconds
- 365nm to 405nm LED or broad-spectrum UVA lamps recommended for curing. Optimal broad-spectrum systems utilize Medium Pressure Mercury and Medium Pressure Mercury Metal Halide bulbs or Fusion D lamps

UNCURED PROPERTY	VALUE	TEST METHOD
Viscosity cPs	4000	Brookfield Spindle 7 @20rpm
Specific Gravity	1.08	N/A
Appearance	Clear	N/A

CURED PROPERTY	VALUE	TEST METHOD
Tensile Modulus (MPa)	200	ASTM D638
Elongation, %	381	ASTM D638
Tensile stress at tensile strength (N/mm^2)	15.2	ASTM D638
Shore Hardness	50	ASTM D2240

Lap Shear Properties ASTM D100

PROPERTY	Max Force (MPa)
PC - LCP	5.1
PC – Aluminium	7.6
PC – PVC*	11.5
PC - PET	6.1
PC – 30% GFNylon	3.8
PC - Steel	8.1
PC - PP	0.6
PC – ABS*	7.8
PC - HDPE	0.7

*indicates substrate failure at 0.5X1 inch bond area

General Information

For safe handling of this product consult the Safety Data Sheet**.**

Directions for Curing

1. KU5225 is very sensitive to light. Store in 100% light blocking container.
2. Dispensing lines must be 100% blocking for UV and Vis light.
3. All bond surfaces should be clean and free from grease, mold release or other contaminants.
4. Cure speed is dependent on the light intensity, the light transmission of substrate and required depth of cure.
5. Bonded parts should be allowed to cool before testing or subjecting to any service loads.
6. Plastic grades and part design should be considered to avoid cracking and improve adhesion.
7. The type of lamp and intensity should be selected for productivity and quality.
8. Improving the surface cure can be carried out at a higher intensity.
9. Check the lamp intensity regularly. Replace a lamp if an intensity is below 75% of initial intensity.

Handling and Safety

For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to SDS for further information.

NOTES

All the test data, recommended procedures and other statements contained herein are furnished for information only for this experimental material and accuracy of the information is not guaranteed. Chemence cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. Considering the foregoing, Chemence specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Chemence products. Chemence specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits. The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Chemence patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent application