



EA6114

EA6114 is a high performance, fluorescence, fast cure, UV/moisture dual cure adhesive/encapsulant. EA6114 is optimized for fast moisture curing supporting increased manufacturing productivity. This product is suitable for bonding a wide variety of substrates including glass, many plastics and most metals. This product has a tack free surface finish and has shown excellent adhesion and flexible. It can be moisture cured in shadowed areas.

Technology / Base	Polyurethane Acrylate
Type of Product	Adhesive and Encapsulant
Components	One Component
Curing	Ultra Violet Light and Ambient Moisture
Appearance / Color	Translucent
Consistency	Thixotropic Liquid

Features and Benefits

- Fast cure
- UV/moisture dual cure
- High adhesion strength
- Rapid moisture curing
- Excellent flexibility
- Tack free surface finish
- Excellent precision dispensing and jetting performance
- Excellent electrical insulation performance
- Halogen free

Technical Data

Rheology	Value	Condition/Method
Viscosity	5100 cPS	25°C (77°F)
Thixotropic Index	2.4	
Density		
Specific Gravity	1.05	
Curing Process Characteristics		
Cure Time and Wavelength	30s at 100mW/cm ² , 365nm, Moisture cure at 25°C 50% RH for 3 days	
Shelf Life	6 months	
Storage Condition	8°C to 28°C in unopened container, dry location	
Optimum Wavelength	365 to 405 nm	
Cured Material Characteristics		
Tack Free	5s at 100mW/cm ² , 365nm	
RoHS Compliant	Yes	
Cured Mechanical Properties		
Hardness	Shore A Shore D	ASTM D2240, UV plus 3 day moisture cure
	75	ASTM D2240, UV plus 3 day moisture cure
Tensile Strength	19 MPa	ASTM D638
Elongation to Break	95%	ASTM D638
Lap Shear Strength, PC/PC	16.2 MPa	ASTM D1002, 25°C 50% RH 3 days



General Instructions

1. Coating surface area should be clean and free of any fluxes, residues, dust or any other contaminants.
2. A UV lamp with a wavelength of 365nm is required. The UV light should be focused towards the coated surface.
3. Curing speed is determined by the intensity of UV radiation, the distance from the UV light source and the coating surface. The depth of coating material can also require additional cure time.
4. Immediately close the lid after use. A black hose must be used to dispense the adhesive.
5. This material should be stored away from sunlight, UV light and artificial light sources.

Specifications and Approvals

ISO 10993-5

Storage

Product should be stored at temperature between 8°C to 28°C in the unopened container in a dry location.

Safety and Disposal

For safe handling information and disposal information on this product, consult the Safety Data Sheet (SDS)

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