

## Product description

- One-component UV conformal coating
- Amber transparent liquid
- Fluorescent effect

## Product features

- Curing method: UV + moisture curing
- Adhesion: Excellent adhesion to PCBs
- Weatherability: Excellent aging resistance
- Operating temperature: -65~125°C
- Noticeable features: Low energy curing, excellent compatibility

## Typical applications

- Coating protection of PCB circuits and components

## Certification

- RoHS Compliant: Yes
- UL 94V0: Yes
- IPC-CC-830C: Compliant

## Directions for use

The surface should be dry and free of grease.  
 Recommended dry film thickness: 85~150 μm.  
 According to the internal laboratory test data of Huitian, UV mercury lamp is best for 3612. The recommended curing energy is as follows:

	Curing energy/mJ/cm <sup>2</sup>		
	UVA	UVB	UVC
Min	1200	600	400
Max	2500	1500	1000

## Cautions

To avoid contaminating the glue, do not pour the glue which has been poured out back into the original package. Keep away from children for storage.  
 This product is slightly irritating to eyes and skin. If the eyes are accidentally exposed to the product, rinse immediately with plenty of water. If the skin is exposed to the product, rinse immediately with soap. Seek medical attention in severe cases.  
 This product is not intended for use in pure oxygen or oxygen-enriched systems and should not be used as a sealant for chlorine or other strongly oxidizing materials. Please consult the MSDS of the product for safety information.

## Technical parameters

Reference standard	Item	Unit	Value
<b>UV curing physical property indexes (1000W UV mercury lamp curing)</b>			
Q/HTXC 4	Appearance	--	Amber liquid
GB/T2794	Viscosity (25°C)	mPa.s	500~900
GB/T13354	Density	g/cm <sup>3</sup>	1.0~1.1
Q/HTXC 4	Tack-free energy	mJ/ cm <sup>2</sup>	1500
GB/T 2411	Hardness	Shore D	50~65
GB/T 9286	Adhesion	--	5B
GB/T 1693	Dielectric constant 1 MHz	--	3.2
GB/T 1692	Volume resistivity	Ω.cm	>1.0×10 <sup>14</sup>

Note: The reference standards are not dated and their latest versions are applicable to this document.

## Storage

Store at 10-26°C in a cool and dry place.

Shelf life is 12 months.

## Packing specification

Order code:

3612H6, 1kg/barrel, 12 barrels/carton

**Note:**

The data in this document were obtained under laboratory conditions. Due to differences in the operating environment, the user can refer to these data and operating conditions for analysis and testing. Huitian does not guarantee the sale of products or the use of the products under specific working conditions and does not accept any liability for direct, indirect or incidental damage. If users encounter any problems in the process of use, please contact the technical service department of Huitian New Material and all assistance will be provided.