



# Polytec UV 2214 DC

Polytec UV 2214 DC is a 100% solid, single component, low viscosity, capillary, dual curing adhesive (UV-/Visible light & Thermal).

## Typical Properties

Chemical Type	Epoxy
Number of components	1
Shelf Life at 10°C	6 Months
Viscosity (shear rate 100/s @ 23°C)	80 mPa s
Consistency	Liquid
Specific Gravity	1,05 g/cm <sup>3</sup>
Color	Clear

Polytec UV 2214 DC is a single component, low viscosity, UV-/Visible light and thermal curable adhesive. It is recommended for applications where good impact strength, thermal shock resistance and vibration resistance is desirable.

Polytec UV 2214 DC has a good adhesion to glass, metals and most plastics and starts to cure at low intensity. The low viscosity of the product allows a good wetting and capillary action. Shadowed areas can be cured without light by heat.

Polytec UV 2214 DC is an adhesive, sealant and encapsulant for sensitive parts and as protection against harsh environments. The product is fluorescent under black light which is ideal for automatically optical inspection.

## Minimum Bond Line Cure Schedule

UV cure @ 1mm thickness	~60 Seconds
Spectral Output	320 – 500nm
Thermal Curing @ 80°C	60 Minutes*
Thermal Curing @ 100°C (1mm gap)	20 Minutes*

\*It is depending on thickness of bondline

## Thermal Properties

Continuous Operating Temperature	-40°C / 120°C
Glass Transition Temperature (Tg)	54°C
Weight Loss @ 200°C	1,42%

## Mechanical Properties

Shore- Hardness	D80
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## Features:

- Dual curing
- Chemical and Moisture resistant
- Capillary
- High strength resistant
- T-shock resistance
- Shadowed areas curing

## Processing:

- Dispenser
- Jet-Dispenser
- By hand

## Available Pack Sizes:

- 30ccm cartridges
- 1KG bottles

## For more information, see:

- MSDS of Polytec UV 2214 DC
- Application notes
- Catalogue

## Please note:

The above listed information are typical data based on tests and are believed to be accurate. Polytec PT makes no warranties (expressed or implied) as to their accuracy. The above listed data do not constitute specifications. The processing (in particular the cure conditions) of the material, the process control and the variety of different applications at various customers are not under Polytec PT's control. Therefore Polytec PT will not be liable for concrete results in any specific application or in any connection with the use of this product. In particular the cure conditions do have a major effect on the properties of the cured material. Therefore it is highly recommended to keep the cure schedule – once established - under tight control.

With the release of this data sheet all former data sheets will be null and void.

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