



## Customized Adhesive Solutions

25 B Street, Burlington, MA 01803  
Phone: (978) 436-9600 Fax: (866) 788-7856  
Email: [info@nextgenadhesives.com](mailto:info@nextgenadhesives.com)

# NGAC UV-AB14

# Technical Bulletin

## Low Viscosity, Fast Curing, UV Curable Urethane Acrylate

### Description:

NGAC UV-AB14 is a low viscosity and fast curing Urethane Acrylate. This one part system is sensitive to visible light up to 460nm. It was designed for applications requiring excellent adhesion/strength to and low shrinkage on cure with increased UV sensitivity at 415nm+.

### Advantages and Applications:

NGAC UV-AB14 bonds extremely well to a broad range of substrates including most plastics and metals. NGAC UV-AB14 exhibits excellent surface wetting.

NGAC UV-AB14 features the following characteristics that enable ease of use.

### Properties:

	<b>Typical Value</b>
Color	Clear
Viscosity	2,000 cps
Specific Gravity	1.02
Hardness Shore D	68
Operating Temperature:	-30 to +120°C
Glass Transition Temperature	70°C
Elongation %	100

### Cure Profile:

Minimum Intensity:	200 mw/cm <sup>2</sup>
Spectral Output:	400-460 Nanometers
Optimum Wavelength:	415 Nanometers

- This product requires direct UV exposure to cure
- There is variability in UV light sources. Therefore, we recommend each user evaluate UV intensity and exposure time for their given application and UV equipment.
- Low intensity UV light sources (200 mw/cm<sup>2</sup>) may require as much as a 10 second exposure time.
- This product is sensitive to visible light at wavelengths greater than 400nm.

For additional information or assistance, please call  
**978-436-9600**

All values reported above are typical values and are for reference use only. These values are not intended for use in developing specifications. Application testing under specific conditions should be performed to determine actual results and fitness for use.