

[See all 48 Products in Family](#)

Norland Optical Adhesive NOA 146H, 1 oz. Application Bottle

See More by [Norland](#)



1 oz. Application Bottle of NOA (NOA60 shown as an example)

Stock **#12-866** **5 In Stock**

⊖ 1 ⊕ £72⁴⁰

ADD TO CART

Volume Pricing	
Qty 1-4	£72.40 each
Qty 5-11	£65.20 each
Qty 12+	£62.00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

1	Size (oz):
146H	Norland Number:
4 months	Shelf Life:

Bottle **Type:**

Typical Applications:
Low viscosity adhesive for bonding glass or plastic.
Cured with UV light and/or heat.

Note:
Heat curing (-H suffix) adhesives are oxygen inhibited. If used on the surface of a substrate, the adhesive will need to be cured under an inert atmosphere (like nitrogen) to fully cure.
Liquid adhesives cannot be put in a vacuum because it will remove the stabilizers and sensitizers causing the adhesive to not cure properly.

UV/MS and/or Heat **Cure:**

Optical Properties

1.46 @ 589nm **Index of Refraction (n_d):**

320 - 395 **Absorption Range (nm):**

Material Properties

Excellent **Glass Bonding:**

Good **Metal Bonding:**

Fair **Plastic Bonding:**

40 @ 25° C **Viscosity (cps):**

Plastic to Plastic/Glass **Bonding Type:**

4.5 **Energy for Full Cure (J/cm^2):**

Environmental & Durability Factors

Hard **Durability:**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 251:**

Product Details

- Excellent Optical Qualities
- Adhesives for Glass, Metal, and Plastic Bonding
- Cure Quickly when Exposed to UV Light
- [Preloaded Norland Optical Adhesive Syringes](#) Also Available

Norland Optical Adhesives are clear, solvent-free optical adhesives designed to fully cure in only minutes when exposed to ultraviolet light. These adhesives are used in precision alignment or positioning applications that require a robust and resilient bond. Norland Optical Adhesives feature a variety of bonding types, including but not limited to glass to glass, glass to glass/metal, and plastic to plastic/glass. To use Norland Optical Adhesives, apply the adhesive to the optical surface, position the components, and use a [UV light source](#) to set the components in place. Since the adhesive will not cure until exposed to UV light, time can be taken during the positioning process to perfect product alignment.

Technical Information

NORLAND OPTICAL ADHESIVES (NOA) APPLICATION NOTES

Title	Description
Applying Adhesive	Covers best practices to use when applying Norland Optical Adhesives to ensure an even adhesive layer while avoiding air bubbles.
Chemical Resistance of NOA	Covers the effects of various chemicals on Norland Optical Adhesives including acids, bases, and solvents.
Preventing Lens Separations with NOA	Covers best practices to avoid adhesive failures when bonding optical elements.
Separating Lenses Bonded with NOA	Covers how to unbond optical elements bonded with Norland Optical Adhesives.