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## Norland Optical Adhesive NOA 86TH, 1 oz. Application Bottle

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Norland Optical Adhesive NOA86TH, 1 oz. Application Bottle

Stock **#17-349** [CONTACT US](#)

⊖ 1 ⊕ **C\$126<sup>.70</sup>**

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Volume Pricing	
Qty 1-4	<b>C\$126.70</b> each
Qty 5-11	<b>C\$114.10</b> each
Qty 12+	<b>C\$108.50</b> each
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### Product Downloads

### General

1 **Size (oz):**

86TH **Norland Number:**

4 months **Shelf Life:**

**Type:**

Bottle

**Typical Applications:**

Applications requiring adhesive meeting Belcore specification of 85C/85RH for bonding glass for 2000 hours

**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.

### Optical Properties

1.54 @ 589nm **Index of Refraction (n<sub>d</sub>):**  
315 - 420 **Absorption Range (nm):**

### Material Properties

Excellent **Glass Bonding:**  
Good **Metal Bonding:**  
Excellent/Good **Plastic Bonding:**  
20000 - 25000 **Viscosity (cps):**  
Glass to Glass/Plastic **Bonding Type:**  
2.5 **Energy for Full Cure (J/cm<sup>2</sup>):**

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