



## Light-Activated Resins

### North Sea Resins: Frequently Asked Questions

**1. Do I need to use the light source?**

Yes, NSR resin is cured by exposure to light, specifically visible blue light.

**2. Can I use a regular flashlight?**

No, NSR light sources emit the precise wavelength of light with enough intensity to cure the resin in 30 seconds. Regular light bulbs also emit the wavelength of light needed to cure NSR resin, in addition to hundreds of other wavelengths. NSR light sources are "tuned" to cure our resin instantly.

**3. Is this light harmful?**

No, this is blue light that lies within the visible spectrum. There are no adverse skin or eye effects associated with these light sources.

**4. Do I have to use the Applicator Tab?**

Applicator Tabs are not essential, although on flat surfaces, they make the repair cleaner and stronger. For joints, elbows and irregular surfaces, the tab may not be effective. Cutting smaller tabs can increase their effectiveness on joints, threads, and seams. Without the Tab, the cured resin will have a slightly tacky/greasy residue. You can wipe the surface with a cloth to remove residue.

**5. What pressure can a repair handle?**

A repair of a 1/16<sup>th</sup> inch hole in aluminum can be pressurized to hold up to 700 psi.  
A repair of a 1/16<sup>th</sup> inch hole in plastic can be pressurized to hold up to 800 psi.

**6. Shelf life?**

The shelf life of NSR resins is 24 months. It is recommended that you store Room temperature storage is recommended. Avoid extended storage at greater than 110 F.

**7. How many repairs can be done with one syringe?**

A 5ml syringe of NSR150 or NSR150 resin will repair approximately **20 pin-hole leaks**. A pin-hole is typically 1/16 inch. A 5ml syringe of resin will cover approximately a 12 sq inch area when applied in conjunction with fiberglass mesh.

**8. How do I open the syringe?**

Twist the cap on and off. Do not cut the tip.



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**9. Once I open the syringe, do I have to use all the resin?**

The Luer-lock tip allows for multiple uses of the resin.

**10. What if the tip becomes clogged?**

If the syringe is left out in bright sunlight, or in room light for an extended period of time with the cap off, the tip may become closed. Scrap the cured resin off the tip, and the resin is fine to use. Use a drill to clean out the tip if the resin cures to a depth you cannot scrape off.

**11. Can this be used on drinking water lines?**

Yes, NSR150 and NSR250 resins are listed by UL as being NSF Standard 61 compliant for use on drinking water systems.

**12. What about a hot water line?**

Yes, it can work on hot water lines.

**13. What about a steam line?**

The life expectancy of the repair will vary depending on the temperature and pressure. It is not recommended for use on high-pressure steam lines (+200 F and 100 psi).

**14. Is this what my dentist uses?**

NSR resins utilize a similar chemistry. The dental industry has been using light activated materials for years as a way to set crowns in people's mouth (a wet environment where rapid, cure-on-command function is important). **North Sea Resins products are for industrial uses and are not approved for medical/dental applications.**