



# TECHNICAL DATA SHEET

## Nut Lock - 7g

Date: 12/04/2017  
 Product Code: 653  
 Barcode: 6001296006534



### Description

Wynn's Nut Lock is designed for the sealing and locking of threaded fasteners which may require disassembly with standard hand tools. The product is a single component anaerobic, medium strength thixotropic, acrylic based thread locker. The product cures when confined in the absence of air between close fitting metal surfaces and prevents leakage and loosening from vibration and shock.

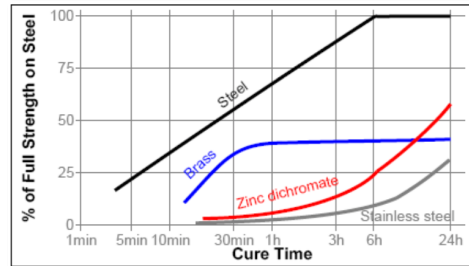
Wynn's Nut Lock offers the following features:

<b>Technology</b>	Acrylic
<b>Appearance (Uncured)</b>	Blue
<b>Chemical Form</b>	Dimethacrylate ester
<b>Cure</b>	Anaerobic
<b>Secondary Cure</b>	Activator
<b>Components</b>	Single
<b>Fluorescence</b>	Positive under UV
<b>Strength</b>	Medium
<b>Application</b>	Thread locking
<b>Viscosity at 25°C</b>	1,200 to 1,500 cPs
<b>Specific Gravity</b>	1.0
<b>Fixture Time</b>	10 to 15 mins
<b>Flash Point</b>	See MSDS

Wynn's Nut Lock is particularly suitable for uses on less active substrates such as plated surfaces, where disassembly is required with hand tools.

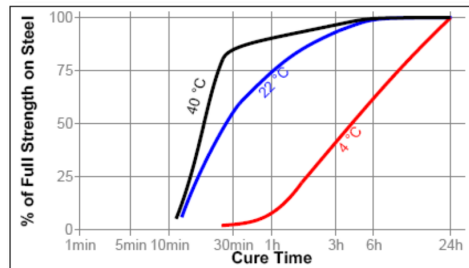
### Cure Speed vs. Substrate

The rate of cure is dependant on substrate used. The graph below shows the breakaway strength developed with time on M10 steel bolts and nuts compared to different materials and tested according to ISO 10964.



### Cure Speed vs. Temperature

The rate of cure is dependent on the ambient temperature. The graph below shows the breakaway strength developed with time at different temperatures on M10 steel bolts and nuts and tested according to ISO 10964.





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### Cure Speed vs. Activator

Where cure speed is unacceptably long or large gaps are present. An activator can be applied to the surface which improves cure speed.

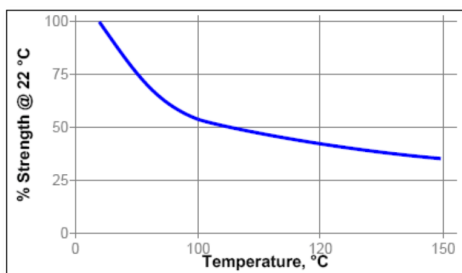
### Typical Performance of Cured Material

	Typical Value
Operating Temperature	-54°C to 150°C
Breakaway Torque M10 steel bolts & nuts after 24 hrs at 20°C to 25°C ISO 10964	17 Nm
Prevail Torque M10 steel bolts & nuts ISO 10964	5 Nm

### Typical Heat Resistance

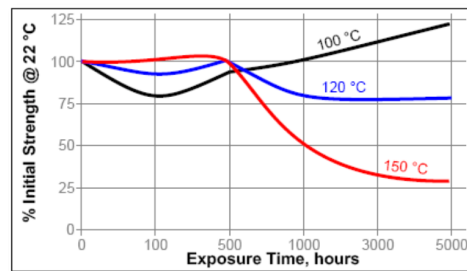
#### Hot Strength

Tested at temperature



### Heat Ageing

Aged at temperature indicated. Tested at 22°C.



### General information

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be use with chlorine or other strong oxidising materials.

For information on the safe handling of this product, consult the Material Safety Data Sheet.

Where washing systems are used to clean the surfaces before bonding, it is important to check the compatibility of the washing solution with the adhesive. In some cases these solutions can affect the cure and performance of the adhesive. This product is not recommended for use on certain plastics.

### Direction for use

#### Surface Preparation

For optimum performance surfaces should be clean and free of grease. If the material is an inactive metal consider using activator.





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#### **Application**

Shake the product thoroughly before use. Apply several drops to the bolt & nut. Assemble and tighten as required. To prevent clogging of the nozzle, do not let the tip touch metal surface during application.

#### **Disassembly**

Remove the standard hand tools. In circumstances where hand tools do not work, use localised heat to bolt or nut, disassemble while hot.

#### **Cleanup**

To remove cured product use a combination of solvent and abrasion such as a wire brush.

#### **Precaution**

Use with proper ventilation. Avoid contact with skin and eyes. If contact with skin occurs, rinse with warm water or dissolve gradually with appropriate de-bonder. Do not try to remove forcibly. If adhesive gets into eye, keep eye open and rinse thoroughly. Seek medical attention immediately. Keep away from children.

#### **Handling & Storage Recommendation**

Keep product in a cool and dry storage place at temperatures between 8°C and 21°C. Allow product to reach room temperature before opening bottle to avoid condensation which may reduce shelf life. Furthermore, to prevent contamination of any unused material, do not return any product to its original container.

