

**TB 1401C** 02/06/2015

# ThreeBond 1401C

Locking Agent

ThreeBond **1401C** is a synthetic resin locking agent. It prevents screws and bolts from loosening, leaking or rusting. It can replace conventional low strength anaerobic thread locking adhesives and tamper-proof paints and unlike some anaerobic resins, it can also be used safely on plastic components.

## 1. Features

- Vinyl acetate based
- One component with solvent
- Drying at room temperature
- Service temperature -40 ~ 150℃

## 2. Properties

#### Before drying

Test	Results	Units	
Colour	Red	-	
Viscosity at 25℃	350	mPa.s	
Specific gravity at 25℃	0.88	-	
Non-volatile matter	31	%	
Solvent	Methanol	-	

## Relation between torque and locking force

Time	1 day	2 days	3 days	7 days
Loosening torque (N.m)	0.8	1.5	3.0	10.5

Initial tightening torque = 0 N.m

## Heat resistance

Temperature	25℃	50℃	70℃
Loosening torque (N.m)	10.5	6.0	4.0
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Initial tightening torque = 0 N.m

#### Loosening torque of different size bolt

Size	М3	M4	M6	M8	M10
Loosening torque (N.m)	0.3	0.6	3.5	5.5	10.5

Initial tightening torque = 0 N.m

## 3. Handling

- Before use, please refer to the safety data sheet.
- Flammable product. Do not expose to heat source.
- Prior to opening the container, let it reach room temperature to avoid condensation inside.
- To obtain optimal results, remove humidity, grease and other impurities from the surfaces to be assembled.
- Depending on the materials (dimensions and surface roughness), apply an appropriate and uniform amount of liquid gasket on the surface, then assemble rapidly.
- The product once transferred into another container should not be returned to the original one. Any excess product should be wiped out using a cloth.
- Keep the product in its original container tightly sealed and store it in a dark, dry and well ventilated place at **10 ~ 25℃**.

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