



# TECTORIUS® TEC-U-SEAL™

Thread Sealant & Gasketing

## DESCRIPTION:

Tec-U-Seal™ pre-applied fastener sealant is a unique resin matrix sealing and seating material for under head encapsulation. Specifically designed to flow and adhere to most ferrous metals and smooth surfaces, the series is a low-cost and effective alternative to o-ring seals, injection molded seals, and die-cut gaskets. Tec-U-Seal products are applied directly to the fastener, washer, pin, bezel, rivet, clip or other component and cured in place. Product use:

- » Reduces vibration
- » Controls noise
- » Seals
- » Fills gaps
- » Masks
- » Identifies
- » Insulates
- » Trims

Tec-U-Seal works by compression seating. The material absorbs shock, movement and temperature cycling of thermal expansion between parts, allowing its elastomeric nature to minimize movement and resist loss of seating and sealing ability in stressed situations.

Formulas are available that adhere securely to most substrates or surfaces. This property eliminates misalignment and displacement issues associated with traditional seals.

Specific formulations of Tec-U-Seal™ meet or exceed the performance requirements of the following standards:

### AUTOMOTIVE:

- Chrysler: MS-DC543
- Ford: ESB-M4G70-A or C
- General Motors: GM1131 Type D, GM6086M Type IIIB

## PRODUCT FEATURES:

- » **Unaffected by automotive fluids:** This family of materials include grades that resist and seal against most automotive fluids including oil, water, antifreeze, and gasoline.
- » **Variety of Colors & Softness:** Available in a variety of colors (for easy part inspection), durometers, and properties to fit the desired application. Custom colors are also available.
- » **High Temperature & Self Adhesive Formulas:** Tec-U-Seal includes grades that are specifically intended for use in high temperature environments or in applications where a tacky surface will assist in component positioning for final assembly.
- » **Saves Money:** Tec-U-Seal saves valuable time and is less expensive than applying bottled, die cut or molded sealing elements at the point of assembly.
- » **Resistant:** Tec-U-Seal has excellent chemical and environmental resistance. It is advisable to store in dry, clean conditions.



\*The information provided is based on technical data that Tectorius believes to be reliable. Since we cannot anticipate or control the various conditions under which this information and our product may be used, we cannot guarantee the applicability of this information or the suitability of our product in any individual situation. Therefore, the product is sold without warranty expressed or implied.

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## SPECIFICATIONS:

Grade:	580	581	587	590	591	595	596	597	599
<b>Grade Characters</b>	Soft and Rubbery Non-PVC, Non-Foam	Non-PVC, Non-Foam	Medium Hardness	Non-PVC, Non-Foam	Non-PVC, Closed Cell Foam	Non-Foam Rubber	Non-PVC, Very Hard & Durable	Non-PVC, Hard & Ductile	Soft Cushion
<b>Standard Color</b>	Blue	Yellow	Bright Green	Yellow	Yellow	Black	Green	Yellow	Grey
<b>Solvent Resistant</b>	Good	Compatible with most common solvents	Compatible with most common solvents	Compatible with most common solvents	Compatible with most common solvents	Fully resistant to weather and most water based chemicals	Compatible with most common solvents	Compatible with most common solvents	Poor
<b>Hardness</b>	Shore A 50	Shore A 50	Shore A 80	Shore A 70	Shore A 40	Shore A 50	Shore D 40	Shore A 70	Shore A 35
<b>Elongation</b>	100%	50%	10%	75%	20%	50%	10%	0%	20%
<b>Curing Cycle</b>	150 C	150 C	150 C	150 C	150 C	135 C	150 C	150 C	135 C
<b>Special Characteristics</b>	UV Cure dual cure system	UV Cure dual cure system	UV Cure dual cure system	Slight tack for stay in place feature	Slight tack for stay in place feature	Non-cellular General Purpose Seal		Waxy like surface	Small cell foam

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