

# TRI-SEAL®

## TORQUE RETENTION ISOLATION SEALING SOLUTIONS.

TRI-Seal® introduces rigid spheres into expandable sealant materials that are used to seal interfaces where load retention and/or separation of dissimilar materials are important.

[triseal.llproducts.com](http://triseal.llproducts.com)

## SEALING, ISOLATION, AND TORQUE RETENTION IN ONE.

TRI-Seal® simultaneously addresses torque retention, isolation at dissimilar material interfaces, and sealing against water, air, and dust intrusion. Non-conductive alumina spheres are used in both dry and tacky versions of the product. Clamp forces between substrates are supported by the rigid alumina spheres for torque retention.



**TRI-SEAL® combines torque retention, isolation, and sealing.**

### KEY PRODUCT ATTRIBUTES



#### MAINTAIN FASTENER CLAMP FORCES

Rigid spheres provide a direct load path regardless of sealant expansion.



#### PROMOTE LIGHTWEIGHTING

Allows the combination of dissimilar metals while providing a barrier to prevent galvanic corrosion.

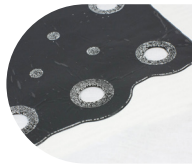


#### ROBUST SEALING AGAINST WATER, AIR & DUST

Ensures robust sealing against small capillary paths common in threads, joints, and line-to-line conditions.

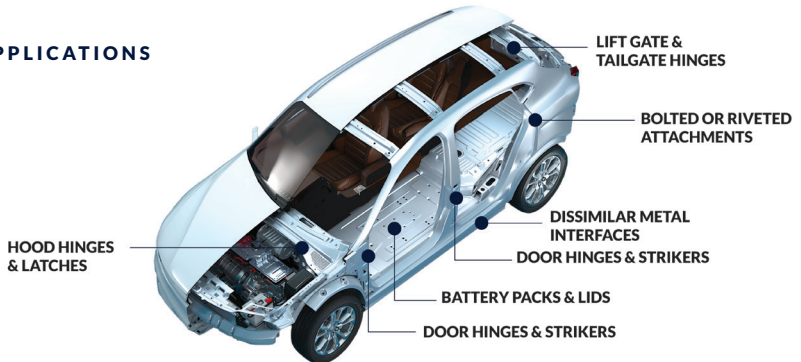


For the dry-to-touch version, the sealing material is thinner than the spheres to ensure contact with the metal. sealing coverage.



For the tacky version, a thicker seal can be achieved so that the material can flow under clamp load to ensure maximum sealing coverage.

### APPLICATIONS



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