



TechnaLoc[®] Bonded Seals

Elastomers Bonded to Flat Metal Components Enables Easy Assembly and Improves Performance



Greene Tweed's TechnaLoc[®] elastomeric bonded seals are made of elastomers bonded to flat components composed of coated aluminum, stainless steel, or titanium.

Our proprietary elastomer materials ensure high durability and sealability over the lifetime of an aircraft, and can bond to stainless steel and aluminum substrates. We offer options for Chemraz[®] FFKM and Fusion[™] FKM as well as other materials.

Based on application requirements, elastomers used in TechnaLoc[®] seals can be bonded using either adhesive or mechanical methods. The proprietary elastomers used in TechnaLoc[®] seals have an industry-proven broad temperature range and fluid compatibility, making them suitable for many critical aerospace applications.

In addition, TechnaLoc[®] products have been ideally matched to bonding technology to ensure the seal bonding strength meets and exceeds industry standards.

Greene Tweed's durable, reliable TechnaLoc[®] bonded seals can be custom-designed to meet customers' unique needs, as a result of our advanced engineering and development resources.

Our proprietary materials, along with our manufacturing quality, on time delivery, and prototyping, are supported by application engineers for best design and fit.

We test our TechnaLoc[®] seals in real application environments, and test custom-designed bonded seals in-house prior to customer delivery for qualification.



Features and Benefits

- Reduced assembly time and complexity
- Reduced component count
- If replacing RTV (room temperature vulcanizing) static sealing, less likely to cause leakage due to poor installation
- Can be disassembled without expensive cleaning process

Standard Materials

- EPDM 954
- Fluoraz® FEPM 797
- NBR 160, 161, 964, 987
- HNBR 965
- Fusion™ FKM 665 & 772
- Chemraz® FFKM 676

Application Examples

- Engines – fuel application and lubrication systems
- Gearboxes
- Utilities – hydraulic
- Flight actuation – hydraulic
- Landing gear – high pressure
- Ground vehicle suspension



Clear Face Bonded 4-hole Seal

Greene Tweed

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08/20-GT DS-US-AS-051