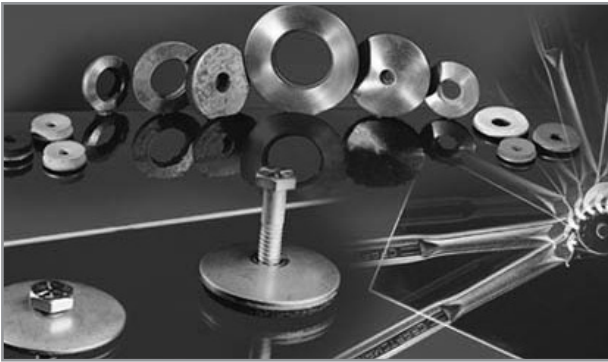




MASTER SEAL™ Washers

Provide An Air, Vapor Or Liquid-Tight Seal



AZTEC MasterSeal washers are a practical and simple, yet sturdy and reliable. They are engineered to prevent delamination of metal and sealant.

Features and Benefits

- Vulcanized for optimal strength.
- Aluminum, stainless steel or galvanized steel backing standard; Monel backing also available.
- EPDM sealer standard; neoprene and silicone also available.
- Deflectable, tapered lip on inside diameter assures inner seal around fastener.
- Sealant evenly compresses to create a uniform seal.
- Resists shearing and tearing during application.
- Retains positive seal regardless of position on flat surfaces and many curved surfaces.
- Allows visual confirmation of proper seating.

SIZES

Sealant: EPDM

20 Gage Galvanized Steel Backing

| Outside Diameter | Screw Size |
|------------------|---------------------------------|
| 1/2" (9mm) | #10, #12, 1/4", #14 |
| 9/16" | #12 |
| 5/8" (15mm) | #10, #12, 1/4", #14, #17, 5/16" |
| .729" | 1/4", #14, 5/16", 3/8 |
| 1" | 5/16", 1/2" |
| 1-1/8" | 1/4", #14 |
| 1-13/16" | 5/16" |
| 1-1/2" | 1/4", #14, 5/16" |

20 Gage 304 Stainless Steel Backing

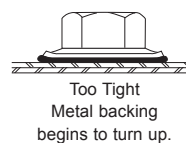
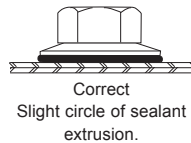
| Outside Diameter | Screw Size |
|------------------|---------------------------------|
| 1/2" (9mm) | #10, #12, 1/4", #14 |
| 9/16" | #12 |
| 5/8" (15mm) | #10, #12, 1/4", #14, #17, 5/16" |
| .729" | 1/4", #14, 5/16", 3/8 |
| 7/8" | 3/8" |
| 1" | 5/16", 1/2" |

.040 Aluminum 5052 Backing

| Outside Diameter | Screw Size |
|------------------|---------------------|
| 9/16" | #12, 1/4", #14 |
| 5/8" (15mm) | #10, #12, 1/4", #14 |
| .729" | 5/16", 3/8 |
| 1" | 5/16" |
| 1-3/16" | 5/16" |
| 1-1/2" | 5/16" |

Installation

Extrusion of sealant at outer edge of properly seated washer provides easy conformation of proper fastener seal.

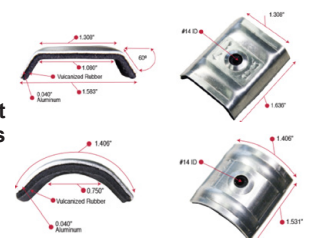


Typical properties of Bonded EPDM Sealing Washer Material

| Property | Value | Test Method |
|-----------------------------|--|--------------|
| Base Material | Cross-Linked EPDM (Ethylene propylene di ene terpolymer) | N/A |
| Color | Black | N/A |
| Test Level | 3 | Grade |
| Test Temperature | B 100 degrees C | Type |
| Volume Swell | A No Requirement | Class |
| Durometer Hardness | 70 +/- 5ASTM | D2240 |
| Tensile Strength | 10 MPa (1450 PSI) Minimum | ASTM D412 |
| Ultimate Elongation | 250% Minimum | ASTM 412 A/C |
| Heat Resistance | Heat aging 70 hrs @ 100 degrees C | ASTM D573 |
| | Change / Hardness Maximum + 10 Points | |
| | Change / Tensile Maximum - 25% | |
| | Change / Ultimate Elongation Maximum - 25% | |
| Compression Set | Maximum 25% | ASTM D395B |
| Ozone Resistance | No observed effect (70 hrs. @ 50 ppm) | ASTM D1171 |
| | 100% Quality Retention Facing | |
| Low Temperature Brittleness | Non-brittle 3 minutes@ -55 degrees C | ASTM D2137 |
| UV Resistance | Excellent | |
| Resistance To Aging | Excellent | |
| Non-standing | Pass | |

SADDLE WASHERS

We can provide saddle washers for a variety of panel types. Contact TFC for sizes.



Styles for flat and curved ribs