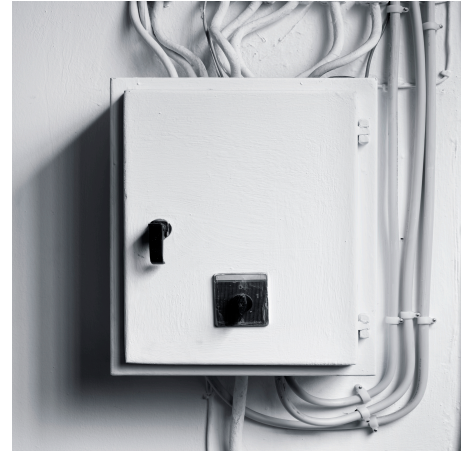


Flat Panel Gaskets

Sealing Solutions for
Groove-less Applications

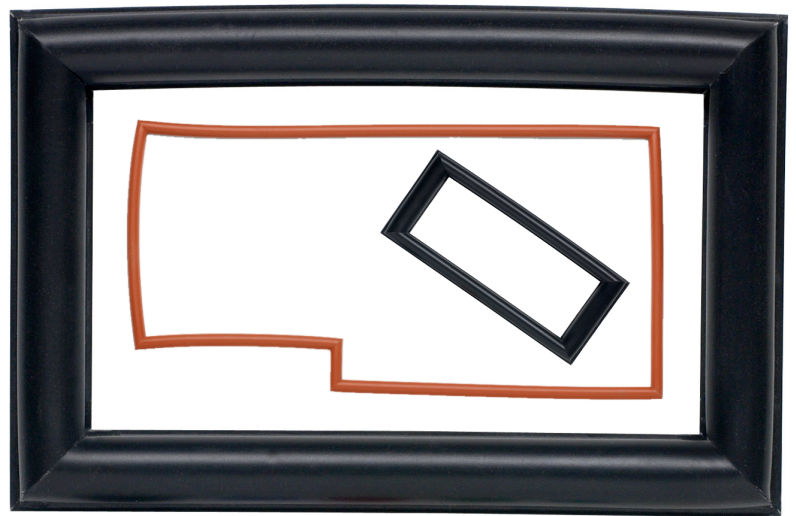


Non-Groove Sealing:

Parker's flat panel gaskets are extruded and spliced seals that have pressure-sensitive adhesive (PSA) backing.

The PSA-backed gaskets are ideal sealing solutions for flat panel, groove-less applications, where machined or cast grooves are not practical due to thin cabinet covers. The existing applications are not able to be retrofitted to accommodate a groove. The gaskets must be capable of passing a wind-driven rain test, as they are most commonly used as environmental sealing for outdoor enclosures.

The PSA can be applied to most standard extruded profiles that are typically hollow and have a flat surface, such as hollow and solid D, hollow and solid square, rectangle, U-channel, and Omega profiles. Other custom profiles with a flat surface are also available upon request.



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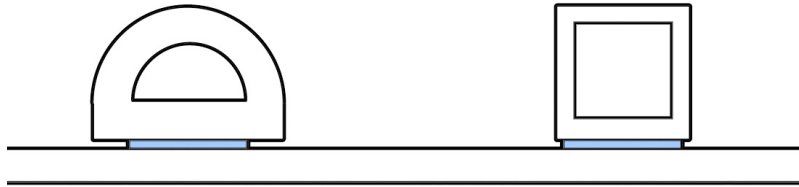


Product Features:

- PSA backing for non-groove sealing
- Easy installation and uninstallation
- Hollow profiles providing low closure force sealing
- Standard and custom profiles are available in forms of frame gaskets, spliced rings and custom-shaped seals
- Custom design and dimensions

ENGINEERING YOUR SUCCESS.

PSA-Backed Gaskets



Examples of two PSA-backed hollow profiles on a flat panel

Pressure Sensitive Adhesive

TechSeal offers two types of PSA: standard temperature (ST) and high temperature (HT). The minimum extruded cross-sectional width for PSA to be applied on is 0.125" [3.18mm].

Standard PSA Widths Available Inch [mm]

.090 [2.29]	.200 [5.08]
.100 [2.54]	.250 [6.35]
.125 [3.17]	.375 [9.52]
.160 [4.06]	.625 [15.87]

Typical Peel Strength

Property	Aluminum	Steel
Initial Peel Strength	6.0 PPI	6.0 PPI
Heat Aged Peel Strength*	5.4 PPI	5.4 PPI
Humidity Aged Peel Strength**	6.0 PPI	6.0 PPI

Peel Strength Test Data per ttt D1000 (90° peel)

*Heat aging 168 hrs / 158°F [70°C]

** Humidity aging 168 hrs / 95% RH / 158°F [70°C]

Standard Temperature PSA:

PSA Description: Double-coated acrylic tape

Release Liner: Blue polypropylene plastic

Service Temp Range: -40° to 150°F [-40° to 66°C]. PSA will function for short periods of time, e.g., 200 hrs at 200°F [94°C]. Ultimate high temp limit 250°F [121°C]

Shelf Life Conditions: 1 year at 70°F [21°C] / 50% RH

Application Temp Range: 40° to 150°F [4° to 66°C]

High Temperature PSA:

PSA Description: High performance silicone

Release Liner: 84 lb. siliconized polycoated kraft paper

Service Temp Range: -130° to 500°F [-90° to 260°C]

Shelf Life Conditions: 1 year at 70°F [21°C] / 50% RH

Application Temp Range: 40° to 150°F [4° to 66°C]

Installing PSA-Backed Gaskets

Detailed, step-by-step instructions cover proper preparation for installation can be found in TechSeal's ParFab™ Design Guide (TSD 5420), pages 4-6.