



AeroZero® Flame and Thermal Barrier AZ-FTB

Product Description

Our Flame and Thermal Barrier (FTB) include at least one layer of our AeroZero® film with a flame resistant protection system layer bonded on one or both sides of the film. Our adhesive is a 25.4 micron (1 mil) high-performance engineering grade silicone pressure sensitive adhesive (PSA) with a release layer that is peeled off before application to a substrate. The AZ-FTB product family consists of multiple material configurations, all of which include a PSA.

Typical use is fire and thermal protection of parts exposed to flames and high temperatures. Potential substrates include carbon fiber composites, metallic parts including stainless steel and aluminum, and polymeric parts such as polyether ether ketones (PEEK) and polyimides.

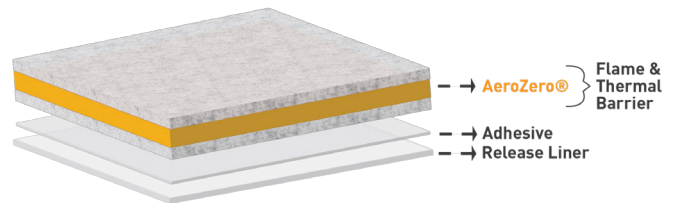
Application

Prior to peeling the release liner from the adhesive, ensure the substrate is clean and free of loose particles. Standard application temperature is 25 °C (77 °F) and the recommended set time for optimal adhesion is three days prior to testing. The minimum application temperature is 10 °C (50 °F) and minimum set time is 24 hours before performing any tests. Increasing temperature and dwell time may increase adhesion strength.

Storage

Recommended Storage Conditions:

- ◇ Temperature: below 25 °C (77 °F)
- ◇ Relative Humidity: below 50%



Features

- ◇ Ultra-thin flame and thermal barrier
- ◇ High flame/heat resistance
- ◇ 25+ mins, ~ 1000 °C flame & no burn through
- ◇ Reduces heat transfer during thermal events
- ◇ Flexible application onto complex parts
- ◇ Easy use with permanent bonding
- ◇ Lightweight and thin

Standard Dimensions

- ◇ Test Sample: 216 x 280 mm (8.5 x 11 in)



Lighten. Protect. Perform.



Additional material data is available upon request.