

STABOND Firewall 1K is a single-component high-temperature silicone sealant intended for use for sealing aircraft firewall structures against passage of air, vapors, and flames, but usage is not limited to such applications. It is effective at all temperatures from -65 to +400 °F (-54 to +204 °C) and is able to withstand flash temperatures of up to 2000 °F (1093 °C).

FEATURES AND BENEFITS

- Room-temperature stable with fast cure
- Non-Volatile Content of > 96%
- Primer-less adhesion to typical aerospace substrates
- Excellent resistance to phosphate ester hydraulic fluids, engine oils, and jet fuels.
- High strength and flexibility
- Conformant to AMS3374 and BMS 5-63
- ½ in depth of cure
- Available in cartridges

PROPERTIES

PROPERTY	SPECIFICATION	PROPERTY	SPECIFICATION
APPLICATION TIME	Not applicable	LAP SHEAR STRENGTH (AMS4911)	CONTROL: 464 PSI 7 days @ 400 °F 505 PSI 7 days @ 120 °F / 95% RH 407 PSI 7 days @ 75 °F in AMS1241 364 PSI
TACK-FREE TIME	< 4 hours	PEEL STRENGTH (AMS4462 ANODIZED)	CONTROL: 22 PLI 72 hours @ 400 °F 23 PLI
CURE TIME	30A IN < 48 hours	FLAME-RESISTANCE AS5127/2	2000 °F for 15 minutes No flame penetration
SPG	1.4	SHELF-LIFE	6-month

APPLICATION

STABOND Firewall 1K is formulated for extrusion application. No mixing or thawing required. Substrates must be free of contamination (i.e. grease, oils, dirt) prior to application and cleaned using a suitable solvent.

STORAGE

For maximum shelf life, store material in a cool, dry area and keep container tightly sealed. Storage temperatures of 60-80 °F are recommended. Lower storage temperature will cause a temporary increase in viscosity. Rotate stock on a "First-in-First-out" basis. For optimum results purge container with nitrogen after every use.

CAUTION

This compound is nonflammable. Vapors are harmful if inhaled. It may cause eye and skin irritation and allergic respiratory reaction. Avoid contact with eyes, skin, and clothing. Protect from moisture contamination. THOROUGHLY READ THE SDS FOR THIS PRODUCT PRIOR TO USING IT.

IMPORTANT

Suggestions for the use of this product are based on tests believed to be reliable; however, the user should determine suitability for the intended use by his own evaluation. Because the use of the material is beyond our control, neither the seller nor the manufacturer shall be liable for any injury, loss, or damage, direct or consequential, arising out of the use or inability to use this product. Seller and manufacturer's sole obligation shall be replacement of material proved to be defective.