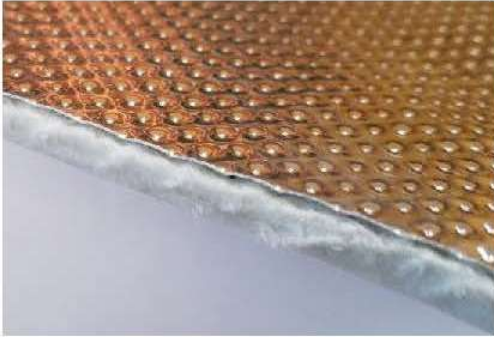


HS2510 Heat Shield

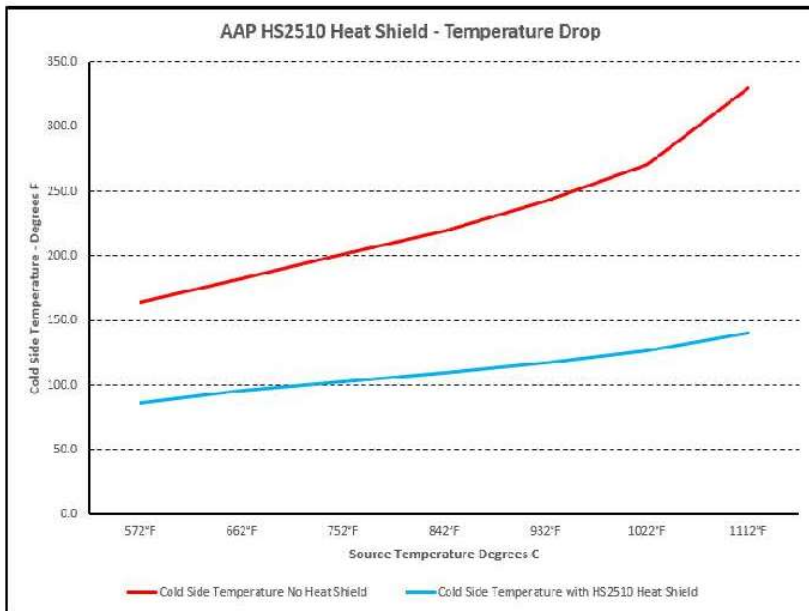


The HS2510 Heat Shield is a high temperature heat shield constructed from a 10Mil layer of aluminum backed with a 0.25" layer of a custom blended fiber and high temperature pressure sensitive adhesive. The HS2510 can be used wherever a high temperature heat source needs to be shielded from adjacent heat sensitive materials and/or touch points.

Performance - Temperature Drop

The HS2510 heat shield was tested by positioning a controlled enclosed heat source at a 25mm distance from a 22-gauge steel sheet. The controlled heat source was isolated against a 4" x 6" area of the steel sheet and temperatures were simultaneously monitored at both the heat source and on the opposite "cold side" of the steel sheet. The following table reflects the results of this testing:

HS2510 Thermal Performance							
Source Temperature (°F)	572°F	662°F	752°F	842°F	932°F	1022°F	1112°F
Cold Side Temperature No Heat Shield	164.5	182.5	201.0	219.0	242.8	270.7	329.5
Cold Side Temperature with HS2510 Heat Shield	86.7	95.9	102.4	109.2	117.3	127.0	140.4
Temperature Drop Provided by HS2510	-77.8	-86.6	-98.6	-109.8	-125.5	-143.6	-189.2



Physical Properties	Criteria	Data
Sheet Size	Inches	24 x 54
Color	Aluminum	
Thickness	Inches	.260"
Adhesive Service Temperature	°F	400
Tear Strength	ASTM D2261	TBD
Tensile Strength	ASTM D5034	TBD
Thermal Conductivity	ASTM C518	TBD