



Coast Fabrication, Inc.

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COAST FABRICATION HEAT REFLECTIVE TAPE COMPARISON

Coast Fabrication Inc. is pleased to announce the latest addition to its line of heat-reflective tapes; test results are detailed below. Material is in stock for immediate delivery and may also be obtained through Earls Indianapolis (317-241-0318; mark@earlsindy.com).

In order to get an apples-to-apples comparison between our tapes and the corrugated “gold” material that is in universal circulation, we performed the following tests. The tapes were applied to an aluminum panel (.063” 3003H14). A constant heat source was fixtured at the noted distance and heat was applied to the front (tape) side and temperature measured on the backside.



PLEASE NOTE THE FOLLOWING



Several samples of the corrugated “gold” tape were tested and performance was very inconsistent. The material referenced in the tables below was the **HIGHEST PERFORMING** samples. The performance of other samples we tested barely exceeded bare metal. We were unable to identify any visual differences between the “good” and “bad” material. **OUR RECOMMENDATION IS TO AVOID THIS MATERIAL UNLESS YOU VERIFY ITS PERFORMANCE WITH YOUR OWN TESTS.**

Heat Source: 1,000° F; Fixture 2.38" from panel; Ambient 80° F; Panel 80°-85°F

Tape	Seconds to 180° F	Seconds to 210° F	Seconds to 240° F
Coast Fab USA (Aerolite)	17.5	28.0	46.0
Corrugated “gold”	18.9	31.9	49.3
Coast Fab USA Plus (Aerolite Plus)	26.5	41.8	66.0

Heat Source: 1,000° F; Fixture 4.38" from panel; Ambient 80° F; Panel 80°-85°F

Tape	Seconds to 180° F	Seconds to 210° F	Seconds to 240° F
Coast Fab USA (Aerolite)	35.4	60.0	116.0
Corrugated “gold”	42.0	65.0	125.0
Coast Fab USA Plus (Aerolite Plus)	49.3	85.0	151.0

Material Specifications

Tape	Material Specifications	weight oz./yd ²	weight g/m ²
Coast Fab USA (Aerolite)	Protected Aluminum with 1 mil Kapton and Acrylic PSA	2.9	98
Coast Fab USA Plus (Aerolite Plus)	Aluminized dual mirror, aramid cloth, PSA	8.5	288
Corrugated “gold”	Gold colored film over aluminum, Kapton, PSA	6.8	230