

Typical Physical Properties	Staycell ONE STEP® 502 HFO	Staycell® HYBRID HFO System	ccSPF & Intumescent Paint Thermal Barrier
Core Density (lbs/ft³)	2.0	1.7 - 2.0	1.7 - 2.0
Typical Installed R-value	≤ R-12	R-12 to R-56	Up to R-56
Water Vapor Transmission - Permeability	3.5 @ 1" .99 @ 3.5"	.95 @ 1" .47 @ 2"	.95 - 1.3 @ 1" .47 - .70 @ 2"
Air Permeance (cfm/ft²)	< 0.02 @ 1"	< 0.02 @ 1"	< 0.02 @ 1"
Closed Cell Content	≥ 90%	≥ 90%	≥ 90%

Installation Factors	Staycell ONE STEP® 502 HFO	Staycell® HYBRID HFO System	ccSPF & Intumescent Paint Thermal Barrier
Number of layers/coats	1	2	2-3
Speed of installation	Fast	Moderate	Moderate/Slow
Primers/topcoats required	No	No	Sometimes
Substrate temp. during installation	≥ 30°F	≥ 10°F	60° - 90°F
Ambient temp. during cure	≥ 25°F	≥ 5°F	≥ 50°F
Humidity during installation	≤ 85% RH	≤ 85% RH	≤ 65% RH
Humidity during cure	Any	Any	≤ 65% RH
Ventilation required during cure	No	No	Yes
Primer coat needed on smooth foam	No	No	Yes
Ability to cover rough foam in single coat	N/A	Yes	No

Building Code Certifications/Fire Test Data	Staycell ONE STEP® 502	Staycell® HYBRID HFO System	ccSPF & Intumescent Paint Thermal Barrier
Listing Report	QAI #B1020-1	QAI #B1020-1	Depends on specific SPF
ASTM E-84 (tested @ 4")	FS ≤ 25, SD ≤ 450	FS ≤ 25, SD ≤ 450	FS ≤ 25, SD ≤ 450
NFPA 286 / UL 1715 Walls ¹ Roofs/Ceilings ²	Pass - UL 1715 ≤ 4" ≤ 8.5"	Pass - UL 1715 ≤3" Staycell 504 & 1" One Step® 502 ≤8" Staycell 504 & ½" One Step® 502	NFPA 286 or UL 1715 Depends on specific SPF Depends on specific SPF
NFPA 285	Refer to TDS	Refer to TDS	Depends on specific SPF
NFPA 259 (Btu/ft ² per inch)	1,881	1,881	Depends on specific SPF
Building Types	I, II, III, IV, V	I, II, III, IV, V	I, II, III, IV, V