



TECHNICAL REPORT

Technical evaluation of folding operable acoustic walls
according EN 13501-1:2007 + A1:2010 standard.
Skyfold 48 to 60 STC.

Report Number **R15318CAN-A1**

Client **Mark McDonald, Eng.**
Skyfold Inc.

Date **October 23rd, 2015.**

This report contains 3 pages in total.

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REPORTED BY:

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TEST PROGRAM

Labosport Inc., in collaboration with **AITEX***, an ISO 17025 accredited third party, was contracted by **Skyfold inc.** to performed fire performance tests according EN 13501-1:2007 + A1:2010 standard on a family product of folding operable acoustic walls. Results and fire resistance classification are detailed in this report.

**AITEX, Plaza de Emilio Sala, 1, 03801 Alcoi, Alicante, Spain. Notified Body Number: 0161*

DESCRIPTION OF THE PRODUCT TESTED

Description of the product tested	Folding operable acoustic walls. Coating – galvanized on outer and back steel layer.
Name of the product	Skyfold 48 to 60 STC
Manufacturer	Skyfold Inc.
Thickness*	Outer steel layer – 0.457 to 0.813 mm Inner layer – 17.78 mm Back steel layer – 0.457 mm
Weight*	Outer steel layer – 3592 to 6385 g/m ² Inner layer – 612 g/m ² Back steel layer – 3592 to 7982 g/m ²
Density*	Outer steel layer – 7860 kg/m ³ Inner layer – 34.4 kg/m ³ Back steel layer – 7860 kg/m ³
Original classification report number	15AN2164
Date of testing	September / October 2015

**information provided by the client*

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RESULTS

Property	Test method	Parameter	Results	Pass/Fail
Single flame source test	EN ISO 11925-2	Flame spreads 150mm	No	Pass
		Filter paper ignition	No	Pass
Single burning item (SBI)	EN 13823	FIGRA _{0,2 MJ} (W/s)	46.89	B
		FIGRA _{0,4 MJ} (W/s)	41.84	B
		THR _{600sMJ} (MJ)	1.84	B
		LFS	No	Pass
		SMOGRA (m ² /s ²)	12.10	s2
		TSP _{600s} (m ²)	71.67	
		Flaming droplets within 600s	No	d0

CLASSIFICATION

Product	Absolute thickness	Test method	Fire reaction classification
Skyfold 48 to 60 STC	18.69 to 19.05 mm	EN 13501-1	Class B - s2, d0