



TECHNICAL REPORT

Technical evaluation of Vertical Retractable Walls according to DIN 18032-3.

Skyfold systems by Railtech.

Report Number **R14504CAN-A1**

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This report contains 4 pages in total.

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DESCRIPTION OF THE PRODUCT TESTED

Description of the product tested	VERTICAL RETRACTABLE WALLS
Name of the products	I-PANEL FOR STC 48 TO STC 50 (Rw 47 TO Rw 49) AND NR SKYFOLD SYSTEMS.
	II-PANEL FOR STC 51 TO STC 55 (Rw 51 TO Rw 54) SKYFOLD SYSTEMS
	III-PANEL FOR STC 56 TO STC 60 (Rw 56 TO Rw 59) SKYFOLD SYSTEMS.
Date of the tests	NOVEMBER 2014

REPORTED BY:

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I-SCOPE OF WORK

Labosport has been commissioned by Railtech (Jack Zagorski) to carry out ball impact resistance testing on vertical retractable walls.

II-TECHNICAL DATASHEETS

This information has been provided only for Labosport's records.

III-RESULTS - I-PANEL FOR STC 48 TO STC 50 (Rw 47 TO Rw 49) AND NR SKYFOLD SYSTEMS.

Property	Test method	Test	Inspection	Results	Class according EN 13964
Ball impact resistance	DIN 18032-Part 3	Ceiling*	The strength, function, and safety of the ceiling not adversely affected.	Pass	1A
			Appearance not changed to any great degree.	Pass	1A
		Wall*	The strength, function, and safety of the wall not adversely affected.	Pass	1A
			Appearance not changed to any great degree.	Pass	1A

IV-RESULTS – II - PANEL FOR STC 51 TO STC 55 (Rw 51 TO Rw 54) SKYFOLD SYSTEMS

Property	Test method	Test	Inspection	Results	Class according EN 13964
Ball impact resistance	DIN 18032-Part 3	Ceiling*	The strength, function, and safety of the ceiling not adversely affected.	Pass	1A
			Appearance not changed to any great degree.	Pass	1A
		Wall*	The strength, function, and safety of the wall not adversely affected.	Pass	1A
			Appearance not changed to any great degree.	Pass	1A

V-RESULTS – III - PANEL FOR STC 56 TO STC 60 (Rw 56 TO Rw 59) SKYFOLD SYSTEMS.

Property	Test method	Test	Inspection	Results	Class according EN 13964
Ball impact resistance	DIN 18032-Part 3	Ceiling*	The strength, function, and safety of the ceiling not adversely affected.	Pass	1A
			Appearance not changed to any great degree.	Pass	1A
		Wall*	The strength, function, and safety of the wall not adversely affected.	Pass	1A
			Appearance not changed to any great degree.	Pass	1A

***Ceiling**

A handball is thrown 36 times against the test ceiling at a velocity of 16.5 ± 0.8 m/s. The shots are thrown 2 × 12 times at an angle of 60° and 1 × 12 times at an angle of 90°.

***Wall**

A handball is thrown 54 times against the test wall at a velocity of 22.5 ± 1.2 m/s. The shots are thrown 2 × 12 times at an angle of 45° and 1 × 30 times at an angle of 90°.