

FR-PANL SOLUTIONS

FIRE RATED PANEL

DATASHEET

PRODUCT SPECIFICATION

LENGTH	up to 12' max length
WIDTH	up to 45-1/2"
THICKNESS	4"
WEIGHT	11.42 pounds per square foot
GAUGE	Exterior: 18 ga. Galvanized Steel Interior: 18 ga. Galvanized Steel
CORE	Mineral Wool with 1-1/4" thick fire stopping material
JOINT	Roll formed tongue-and-groove construction, fully enclosed and insulated joint
R-VALUE	Results available January 2019
U-FACTOR	Results available January 2019
COATINGS	AVRON 46 antimicrobial coating, custom powder coat, field painting
FINISHES	Galvanized, Stainless Steel



FR-PANL[™]
solutions
FIRE RATED SYSTEMS

FEATURES AND BENEFITS

- Quick-installing tongue-and-groove design eliminates possibility of air and noise leaks and reduces installation cost
- Roll formed tongue-and-groove construction, fully enclosed and insulated joint provides a better fit with closer tolerance
- Significantly low thermal transfer rate exceeds two hours of protection during fire events
- Panels up to 12'-0" long adds strength, rigidity, and easier installation
- No-thru-metal panel designed for low temperature and condensation problems that standard panel construction cannot satisfy

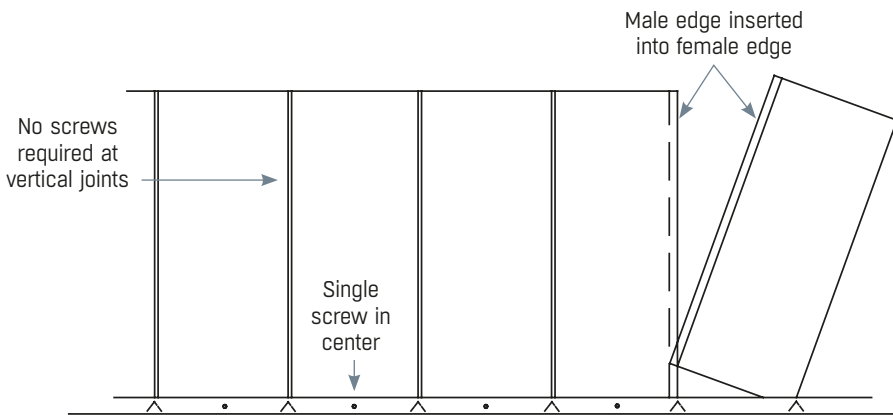
APPLICATION EXAMPLES

- Interior walls
- Stairwell chase
- Elevator shaft
- Equipment rooms
- Penthouse construction
- Building cladding
- Rectangular ductwork
- Custom fire protection

TESTING

Third-party certification testing by Intertek, York, PA - ASTM-E119 2-hour Fire Rating

Test Type	Method	Outcome																			
Fire	UL-263	Successful fire rating test																			
	ASTM E119	2-hour fire rating																			
	ASTM E84	Class A - Surface Burning, January 2019																			
	NFPA 251	Compliant through Intertek testing																			
Weather & Vapor Barrier	ASTM E283	Results pending, available January 2019																			
	ASTM E331	Results pending, available January 2019																			
Structural	ASTM E72	Compression Strength Results Maximum compression load = 8,530 pounds																			
	ASTM E72	Deflection; Results pending, available January 2019																			
Thermal	ASTM C1363	R-Value results pending January 2019																			
	ASTM C236	U-Value results pending January 2019																			
Acoustical	ASTM E90	Sound Transmission Loss, STC 42																			
		<table border="1"> <thead> <tr> <th>Frequency (Hz)</th> <th>63</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> <th>8000</th> <th>STC</th> </tr> </thead> <tbody> <tr> <td>Transmission Loss (dB)</td> <td>20</td> <td>28</td> <td>42</td> <td>57</td> <td>63</td> <td>64</td> <td>74</td> <td>71</td> <td>42</td> </tr> </tbody> </table>	Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	STC	Transmission Loss (dB)	20	28	42	57	63	64	74	71
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FläktGroup SEMCO's fire rated panels incorporate a proven tongue-and-groove joint, designed to reduce installation time and reduce costs.

Panels are slipped into the base channel and secured with self-tapping sheet metal screws at the base channel to maintain plumb - screws at the joints are NOT required.

EXCELLENCE IN SOLUTIONS

FläktGroup SEMCO delivers smart and energy efficient Air Distribution and Air Quality solutions to support every application area. We offer our customers innovative technologies, high quality and outstanding performance supported by more than fifty years of accumulated industry experience. The widest product range in the market, and strong market presence in 65 countries worldwide, guarantee that we are always by your side, ready to deliver Excellence in Solutions. We offer a complete line of sound attenuating products, including rectangular & round silencers, Media Free silencers, custom silencers, and acoustic enclosure panels designed to eliminate your HVAC noise problems. Whether your project requires a custom solution or an off the shelf selection, our years of HVAC experience will provide the best solutions possible.

FläktGroup SEMCO

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Patent pending. Specifications are subject to alteration without notice.