

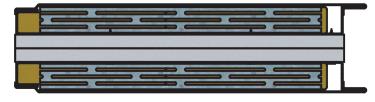


2HR FR-PANEL SOLUTIONS FIRE RATED PANEL

DATA-SHEET

PRODUCT SPECIFICATION

LENGTH: WIDTH:	UP TO 12' MAX UP TO 45½"
THICKNESS:	4 ["]
WEIGHT:	11.42 POUNDS PER SQUARE FEET
EXTERIOR GAUGE:	18 GAUGE GALVANIZED STEEL
INTERIOR GAUGE:	18 GAUGE GALVANIZED STEEL
CORE:	Mineral wool with 1¼" Thick Fire Stopping Material
joint:	ROLL FORMED TONGUE-AND-GROOVE CONSTRUCTION, FULLY ENCLOSED AND INSULATED JOINT.
R-VALUE:	7.86 BTU/HRFT ² F
U-FACTOR:	0.11 BTU/HRFT ² F
COATINGS:	AVRON 46 [®] ANTI-MICROBIAL COATING, FIELD PAINTED
FINISHES:	GALVANIZED STEEL, GALVANNEAL STEEL, STAINLESS STEEL





FEATURES AND BENEFITS

- ROLL FORMED, TONGUE-AND-GROOVE CONSTRUCTION IS QUICK TO INSTALL, REDUCING INSTALLATION COSTS.
- FULLY ENCLOSED AND INSULATED JOINT PROVIDES A BETTER FIT
 WITH CLOSER TOLERANCE
- SIGNIFICANTLY LOW THERMAL TRANSFER RATE EXCEEDS ONE HOUR OF PROTECTION DURING FIRE EVENTS.
- PANELS AVAILABLE UP TO 12' IN LENGTH, CREATING STRENGTH AND RIGIDITY AND MAKING INSTALLATION EASIER.
- NO-THRU-METAL PANEL DESIGNED FOR LOW TEMPERATURE AND CONDENSATION PROBLEMS THAT STANDARD PANEL CONSTRUCTION CANNOT SATISFY.

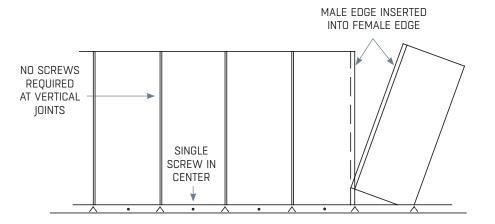
APPLICATIONS

- INTERIOR WALLS
- STAIRWELL CHASE
- ELEVATOR SHAFT
- EQUIPMENT ROOMS
- PENTHOUSE CONSTRUCTION
- BUILDING CLADDING
- RECTANGULAR DUCTWORK
- CUSTOM FIRE PROTECTION

TESTING

Third-party certification testing by Intertek Group[®], York, PA

TEST TYPE	METHOD	RESULTS													
FIRE	UL-263	SUCCESSFUL FIRE RATING TEST													
	ASTM E119	2 - HOUR FIRE RATING													
	ASTM E84	CLASS A - FLAME SPREAD: 0; SMOKE DEVELOPED: 5													
	NFPA 251	COMPLIANT THROUGH INTERTEK TESTING													
WEATHER & VAPOR	ASTM E283	<0.01 CFM/FT ² @ 20 PSF													
BARRIER	ASTM E331	NO LEAKAGE @ 20 PSF													
STRUCTURAL	ASTM E72	COMPRESSION STRENGTH RESULTS VERTICAL COMPRESSION ULTIMATE LOAD = 11,129 LBS. HORIZONTAL COMPRESSION ULTIMATE LOAD = 17,107 LBS. 12 FT. TRANSVERSE ULTIMATE LOAD = 33 PSF													
THERMAL	ASTM C1363	R-VALUE = 7.86 BTU/HRFT ² F													
	ASTM C236	U-VALUE = 0.11 BTU/HRFT ² F													
ACOUSTICAL	ASTM E90	SOUND TRANSMISSION LOSS, STC 42													
		FREQUENCY (HZ)		63	125	5 25	50 5	00 10	00 2	2000	4000	8000	STC		
		TRANSMISSION LOSS (DB	3)	20	28	4	2 5	57 E	3	64	74	71	42		
	ASTM C430	Sound absorption													
		FREQUENCY (HZ)	125	5 2	50	500	1000	2000	400	N כ	RC				
		ABSORPTION (UL)	0.27	7 0.	15	0.05	0.03	0.01	0.03	3 0.	.05				



FLÄKTGROUP[®] SEMCO[™]S FIRE RATED PANELS INCORPORATE A PROVEN TONGUE-AND-GROVE 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 VERTICAL PANEL 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.

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