

CODE-COMPLIANT

STRUCTURAL

**FläktGroup**  
**SEMCO**

# FR-PANL SOLUTIONS

## FIRE RATED PANEL

 NFPA 251 COMPLIANT  INTEGRATED STRUCTURE

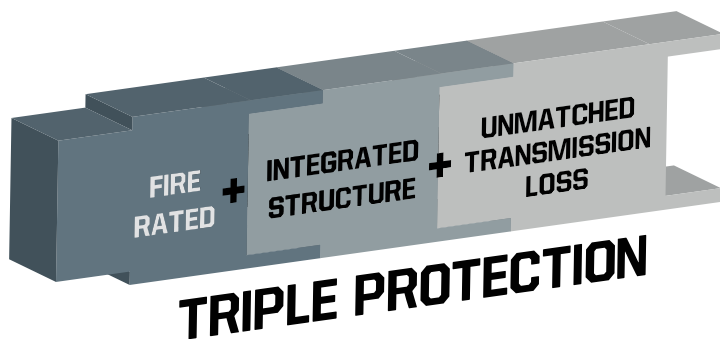
The FläktGroup SEMCO FR-PANL is the industry's only certified fire protection panel that's also building code-compliant, offering fire protection, integrated structure and superior transmission loss in an easy-to-install, tongue-and-groove design.

FläktGroup SEMCO's FR-PANL™ Solutions Fire Rated panel systems is a National Fire Protection Association (NFPA) 251 compliant acoustical/thermal panel.

The panel has been successfully tested by Intertek under UL-263 "Standard for Fire Tests of Building Construction and Materials" using ASTM-E119 test criteria. Its significantly low thermal transfer rate exceeds two hours of protection during fire events.

FläktGroup SEMCO panels are inherently easier to assemble, because of their quick-installing tongue-and-groove design compared to competing panel brands requiring excessive field-applied fasteners.

For details on materials and test results, consult the FR-PANL Technical Datasheet, available online at [www.semcohvac.com](http://www.semcohvac.com).



**FR-PANL**™  
**solutions**  
FIRE RATED SYSTEMS

### KEY BENEFITS

- Internal media provides excellent sound transmission loss, in addition to fire protection
- No screws through panel joints eliminates possibility of air and noise leaks and reduces installation cost
- FläktGroup SEMCO's proven 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; Third-party certification testing by Intertek, York, PA - ASTM-E119 2-hour Fire Rating
- 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

Certified by an independent testing laboratory. Patent pending.

# FEATURES & BENEFITS

## UNIQUE ADVANTAGES

This NFPA 251-Compliant panel system offers a cost-cutting solution to the fire-resistant enclosure, hazardous location (HL) and critical mission environments. The panels are 4 inches thick in order to protect equipment inside the enclosure from surrounding fires and also prevent fire spread to surrounding environments when originating inside the enclosure. Widths are available up to 45-½ inches.



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

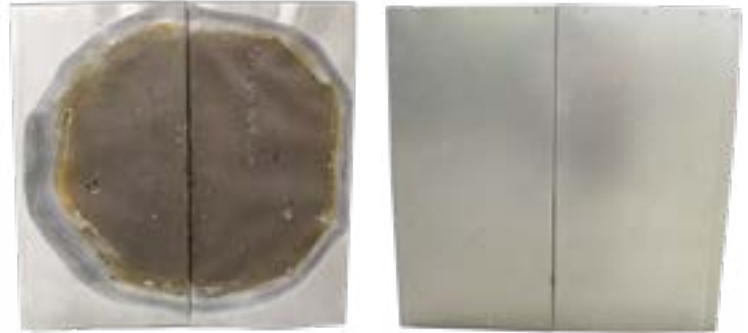
FläktGroup SEMCO delivers smart and energy efficient Air Distribution and Air Quality solutions to support every application area. We offer our customers innovative technologies, high quality and outstanding performance supported by more than fifty years of accumulated industry experience. The widest 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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[www.semcohvac.com](http://www.semcohvac.com)

TWO SIDES OF THE SAME PANEL AFTER A 2+-HOUR, 1800°F FLAME TEST.



## TYPICAL APPLICATION EXAMPLES

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

