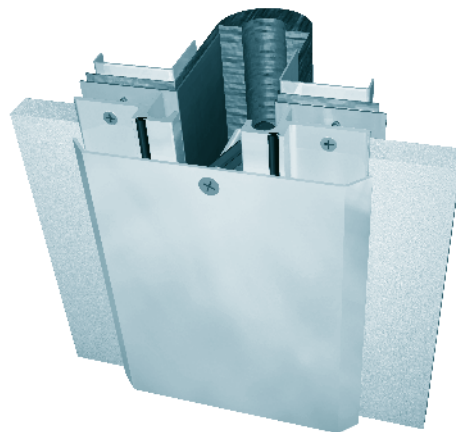


900 Series

Fire Barrier Systems



Movement Rating $\pm 20\%$ to $\pm 50\%$			
Product Guide			
	 Seismic	 Interior/ Exterior	 Fire Rated Option

Taking Care of Building Movement

Because of how the world works, buildings move. Temperatures change causing buildings to expand and contract. Earthquake activity shifts buildings horizontally, vertically and diagonally. And winds force structures to sway.

To accommodate this movement, buildings must be designed with openings or expansion joints, to absorb the movement. That's where architectural joint systems can help. Architectural joint systems are transitions across these building openings, allowing people and traffic to safely move through the building. These systems are also engineered to move with the building.

The 900 Series fire barrier systems are designed to accommodate thermal movement that meet 3 hour fire ratings and seismic movement that meet 2 hour fire ratings.

There are numerous types of systems for various applications. To select the system that meets your needs, visit Engineered Metal Products tab at inprocorp.com and click on the Engineered Metal Products SpecWizard.



IPC.894/REV.3

900 Series Fire Barrier

Suggested Specifications

PART 1 - GENERAL

1.01 SUMMARY

- A. Furnish Fire Barrier Systems in accordance with the drawings and general provisions of the Contract.

1.02 WORK INCLUDED

- A. Furnish complete JointMaster/InPro Corporation Expansion Joint Systems.

1. Interior floor expansion joint systems.
2. Interior wall expansion joint systems.
3. Interior ceiling expansion joint systems.
4. Roof expansion joint systems.
5. Exterior wall expansion joint systems.
6. Exterior floor expansion joint systems.
7. Parking deck expansion joint systems.

1.03 RELATED WORK

- A. Related work which is specified elsewhere.
1. Cast-In-Place Concrete: Section 03300.
 2. Unit Masonry: Section 04810.
 3. Structural Steel: Section 05120.
 4. Lightgage Metal Framing: Section 05400.
 5. Roof Expansion Assemblies: 07716.
 6. Sheet Metal Flashing and Trim: Section 7620.
 7. Cement Plaster: Section 09210.
 8. Gypsum Wallboard: Section 09260.

1.04 REFERENCES

- A. Publications listed herein are part of this specification to the extent referenced. The criteria established in the specifications shall take precedence over the standards referenced herein. (An example of a reference standard is given below.)

1. Fire Rated Assemblies shall have been tested by Underwriter's Laboratories, in accordance with [ANSI/U.L. NO. 263 and ASTM E 119/E 814] [UL 2079] [including hose stream test at full rated period]. Underwriter's Laboratories shall classify assemblies. Fire rating shall be 2 hours or not less than the fire rating of adjacent construction.

1.05 DEFINITIONS

- A. Define industry and product terms as necessary.

1.06 SYSTEM DESCRIPTION

- A. Joint systems shall permit limited movement of joint without disengagement.

1. Specify x-axis joint movement (horizontal).
2. Specify y-axis joint movement (vertical).
3. Specify z-axis joint movement (lateral).

1.07 QUALITY ASSURANCE

- A. Manufacturer: Furnish Fire Barrier Systems from one (1) manufacturer with a minimum of five (5) years of experience in the design, engineering and fabrication of Fire Barrier Systems.
- B. Installer: Firm with not less than three (3) years of successful experience in the installation of systems similar to those required by this project and acceptable to the manufacturer of the system.

1.08 SUBMITTALS

- A. Manufacturer's specifications, technical data, installation instructions, and detail drawings for each Fire Barrier System.
- B. Certificates or other documentation confirming UL approved compliance with fire resistance rating of fire barrier assemblies.
- C. Sample of specified systems where required.

1.09 DELIVERY AND STORAGE

- A. Deliver fire barrier systems to jobsite in new, clean, unopened cartons or crates of sufficient size and strength to protect materials during transit.
- B. Store components in original containers in a clean, dry location.

1.10 SEQUENCING

- A. Submittals shall be completed and submitted within a reasonable amount of time after award of subcontract.
- B. Subcontract for the work of this section shall be planned to allow sufficient time for manufacturer's production and delivery scheduling.

1.11 WARRANTY

- A. Standard JointMaster/InPro Corporation limited warranty against material and manufacturing defects for a period of not less than three (3) years when installed in accordance with manufacturer's recommendations.

PART 2 - PRODUCTS

2.01 MANUFACTURER

- A. JointMaster/InPro Corporation
S80 W18766 Apollo Drive
Muskego, WI 53150 USA
Phone: (800) 222-5556
Fax: (888) 715-8407
Email: service@inprocorp.com

- B. Substitutions: Not permitted.

- C. Requests for substitutions will be considered in accordance with provisions of section 01600.

1. 925 Series - Reactofire Mineral Wool & Silicone Sealant Fire Barrier Systems.

2. 900FB Series - Reactofire Fire Blanket Systems

2.02 MATERIALS

- A. Reactofire Mineral Wool Series 925: Pre-formed, semi rigid, non-combustible mineral wool. Precut into 4ft lengths to required depth for immediate installation.
- B. Reactofire Silicone Sealant Series 921 SL: Horizontal Grade primer-free single component silicone sealant.
- C. Reactofire Silicone Sealant Series 921 Gun Grade: Vertical Grade primer-free single component silicone sealant.

- D. Reactofire Fire Blanket System Series 900FB:

Ceramic blanket insulation encapsulated with stainless steel flexible foil and stainless steel shear screen. Use single package system to 12" nominal joint width and double package system for wider joints. (Reactofire Fire Blanket Systems)

- E. Reactofire Galvanized Mounting Flanges: Galvanized flanges 20 to 28 gauge as recommended by manufacturer, supplied separately for 6" nominal joints and smaller. Flanges to be pre-attached to Reactofire Fire Blanket System for 8" nominal joints and larger. Flanges may be surface mount or concealed as specified. (Reactofire Fire Blanket Systems)

2.03 FABRICATION

- A. Reactofire Mineral Wool & Silicone Sealant Fire Barrier Systems - None required.

- B. Reactofire Fire Blanket Systems Reactofire

1. Fire Blanket System may be field-cut, spliced and transitioned according to manufacturer recommendations.

2. Reactofire Galvanized Mounting Flanges may be field-cut and spliced according to manufacturer instructions.

PART 3 - EXECUTION

3.01

- A. Verify that structural gap and blockout dimensions are in conformance with manufacturer's submittal data.

3.02 INSTALLATION

- A. Fire barrier systems: Install in accordance with manufacturer's instructions. Align work plumb, level and flush with adjacent surfaces. Allowances should be made where actual structural gap at time of installation varies from nominal design gap.
- B. 925 Series: Compress mineral wool into structural gap and install 1/4" silicone sealant.
- C. 900FB Series: Place fire blanket into structural gap with flanges placed on substrate or blockout. Anchor galvanized flanges to substrate. Splice joints in accordance with manufacturer's instructions.

3.03 PROTECTION AND CLEANING

- A. Protect installation from damage by work of others.