

PART I – GENERAL**WORK SPECIFIED HEREIN**

All labor, materials, equipment and services necessary to furnish all fire-rated sealants and related materials and perform all sealing of fire rated joints as indicated or specified.

See Section 07900 for conventional sealants.

SUBSTITUTIONS

In accordance with Section 01600.

SUBMITTALS

Unless otherwise noted, the contractor shall prepare all shop drawings, product literature, etc. only as required to properly coordinate and construct the project.

Review of submittals by the Professional of Record is limited to specific shop drawings as called for in the Project Manual.

PRODUCT DELIVERY, STORAGE AND HANDLING

Deliver sealant to the job site in sealed containers, each bearing manufacturer's name and product designation.

JOB CONDITIONS

Do not apply sealants in temperatures or to material below 4°C.

Seal penetrations before final coat of paint or before application of any clear or stain waterproofing compounds.

Do not apply sealants to surfaces that are wet.

QUALITY ASSURANCE

All sealants and related materials shall conform to the following applicable standards:

- ASTM E119 Fire Tests of Building Construction and Materials.
- ASTM E814/E814M Fire Tests of through penetration fire stops.
- ANSI/UL 1479 Firestops, fire tests of through penetrations.
- CAN/ULC S101-04, Fire Endurance Tests of Building Construction and Materials.
- CAN4 S114-05, Test for Determination of Non-Combustibility in Building Materials.
- ULC S115-05, Fire Tests of Firestop Systems.
- CAN/ULC S702-97, Mineral Fibre Thermal Building Insulation
- ULC Guide No. 40 U19-2004, Firestop Systems.
- Underwriters Laboratories of Canada (ULC)
- Underwriters Laboratories of Canada (ULC), List of Equipment and Materials

All products shall have been tested and classified by ULC. Refer to CAN/ULC S101-04, "Fire Endurance Tests of Building Construction and Materials."

PART II – PRODUCTS**MATERIALS**

Products shall be one-part compositions, synthetic elastomeric organic/inorganic intumescent material, as follows:

Caulk

Putty

Wrap/strip

Composite sheet

Refer to Material and Product List on Drawings for additional information.

PART III – EXECUTION**GENERAL**

Qualified applicators shall apply sealants in conformance with manufacturer's written directions.

Examine all surfaces and report all conditions not acceptable.

Remove loose dirt and oil from penetration surfaces. Install hangers or damming material if necessary. Place the required amount of firestopping material in the penetration to obtain the desired rating (1, 2, or 3 hour rating). If required, install top cap and smoke seal.

METHODS

All depth requirements are the installed or "wet" depth.

Precaution: During application of Caulk and Putty, keep away from heat, open flame, sparks or other sources of ignition until product cures. Use only with adequate ventilation.

All joints to receive sealant shall be as indicated on Shop or Project Drawings. Do not seal joints until they are in compliance with Drawings; or meet with the approval of the Architect.

Clean adjacent surfaces of sealant as work progresses. Use solvent or cleaning agent as recommended by sealant manufacturer. All finished work shall be left in a neat, clean condition.

PART IV - SCHEDULE

Provide fire-rated sealants at the following locations. This schedule is not to be construed to be complete. Provide fire-rated sealant at other areas as indicated.

Fire seal all penetrations made by:

- Ducts
- Cable, power and/or telephone
- Conduit
- Pipe, steel, plastic, insulated or uninsulated

Thickness of sealant shall be appropriate to provide same fire-rating as the fire wall/floor assembly it penetrates.

END OF SECTION