

3.4. Design, Installation, Inspection and Maintenance

3.4.1. Design, planning and preparation

- a. Design, material selection, scheduling, approved contractor selection etc. shall be Consultant's responsibility. It is consultant's responsibility to recruit Fire-stopping specialists qualified as per **Section 3.6.8.**, either in-house or hire Civil Defence approved House of expertise having Firestopping Specialists to design, supervise contractors and perform progressive inspections.

3.4.2. Product systems and Submittal

- a. All the products, as part of the system, shall bear design listing and approval label to conform to the construction type, penetrant type, annular space, joint gap and fire rating requirements of each separate assembly.
- b. Product manufacturer/supplier shall provide a formal submittal consisting of system design listing or test certifications, including illustrations, from an accredited testing laboratory as per referenced standards that is applicable to each system configuration.
- c. Engineering Judgment (EJ) – Where there is no specific tested and listed fire-stop system available for a particular configuration, the manufacturer shall provide a site specific EJ, along with Consultant and Firestop system contractor's stamp and acceptance.
- d. Method Statement shall clearly define the manufacturer's installation instructions.
- e. Statement of manufacturer's or installer's standard warranty for minimum of 10 years.
- f. Manufacturers shall submit an undertaking letter in understanding with Civil Defence that supplying any material that is non complaint to this code is illegal and punishable.
- g. It is main consultant's responsibility to verify all the above.

3.4.3. Delivery, Storage and Handling

- a. The products shall be delivered to project site in original, unopened containers or packages with intact and legible manufacturer's labels identifying product name, product manufacturer, manufacturing and expiry dates, lot number, design listing and classification marking.