

FIRESTOP.

THE STANVAC STANDARD

A firestop for every opening on your drawing.



Building under construction. Illustrative scene.

Seal the opening. Protect the cable. Defend the panel.

Four fire-protection technologies. One coordinated specification.

32 years of industrial chemistry · 3 manufacturing plants · 41 industries
Trusted by Reliance, Adani, Tata Steel, SAIL and UltraTech.

01 Four technologies. One company.

- 01 Cementitious firestop mortar**
Strong, economical seals for wall and floor openings.
- 02 Ablative barriers**
Clean installation and future cable re-entry.
- 03 Intumescent cable coatings**
Flame-spread control and full-length circuit-survival systems.
- 04 Fire-retardant panel finishes**
Protects the painted surfaces inside electrical panels.

Use the test for the task: IS 12458 for penetration seals; IEC 60332 for cable flame spread; IEC 60331 for circuit survival.

02 What the building standard requires.

NBCS 2026 / SP 7:2026 / PART F - FIRE AND LIFE SAFETY

- 1. FM AND UL ARE NOT SPECIFIED.**
Clause 3.5.4.4 cites **IS 12458:2019 [F(34)]** for these penetration seals. FM / UL certificates or ASTM reports alone do not establish IS compliance.
- 2. Both tests are required.**
Fire test + mandatory hose-stream test. Require both results for the specified seal assembly.
- 3. A 2-hour wall needs a 2-hour seal.**
At least **120 minutes** for applicable cable / conduit openings [3.5.4.4].
Distribution-cable shaft seals at each floor must match the floor rating [3.5.5.1].
- 4. Where Part F applies.**
Check occupancy, height and area. Examples: education, assembly and storage above **9 m**; low / moderate-hazard industry over **2,000 m²**. Area triggers and shaft exclusions apply.
- 5. NBCS 2026 replaces NBC 2016.**
SP 7:2026, effective **30 April 2026**, provides national guidance. State bye-laws and fire-authority conditions govern acceptance; existing local bye-laws continue until amended.

An unsealed opening defeats a fire-rated wall.
Fire and smoke cross gaps; flames travel along cables. At handover: who specified the seal, and was it tested?

03 The full system range.

THE OPENING / THE CABLE / THE PANEL

A. Seal the opening.

NBCS Part F: 3.5.4.4 (penetrations); 3.5.5.1 (shaft floor seals).

FIREX SYSTEM	WHERE / WHAT YOU GAIN	SEAL / RATING
FM-71 Cementitious mortar	Load-bearing floor and wall openings. Strong, lightweight and economical. Permanent seal.	75 mm 2 hours
FM-71 + FB-250 Composite system	Cable routes requiring future changes. Mortar strength + a re-enterable barrier. Reinstate after cable changes.	100 mm 2 hours 50 + 50 mm
FB-250 Ablative mineral wool	Occupied buildings, data halls and retrofit. Fast, clean, dry and re-enterable. No wet mortar work beside equipment.	100 mm 2 hours

Ratings apply to the tested assembly. Match the substrate, opening, services, seal depth and installation detail.



FM-71 / Mortar floor seal
Installation illustrations.



FB-250 / Wall barrier

B. Protect the cables passing through.

1 foot of EC 43 at every penetration. Included free.

The seal closes the gap. EC 43 limits flame spread along the cable.

EC 43 General: flame-spread protection tested to **240 minutes** / **IEC 60332-3** in the tested cable assembly.



Sealed opening + coated cables: two fire paths addressed. Installation illustration.

C. Add circuit and panel protection.

OPTIONAL UPGRADES

EC 43 Survival	Critical circuits that must keep working. Fire-pump, alarm and trip circuits: full-length protection, 240 minutes at 750°C / IEC 60331-21 , in the tested system. NBCS context: Part F, 3.5.5.2 - emergency power. Select the complete system to project requirements.
EC 7034	Thin panel wiring: fire + rodent protection. Flexible, translucent coating. Protects the small wires that can fuel a panel fire. 120 minutes / IEC 60332-3-22, Cat A.
DC 52	Fire-retardant finish for internal panel paint. Adds fire protection over the existing painted surface.

Local flame-spread control and full-length circuit survival are separate specifications.

04 4 reasons to specify STANVAC.

- 1. Tested to the cited Indian standard.**
FIREX systems are tested to **IS 12458:2019** at **CSIR-CBRI, Roorkee**, a Government of India laboratory. Use the relevant assembly report for project approval.
- 2. One accountable partner.**
Survey, specification paragraph, drawings, method statements and trained applicators - coordinated firestop, cable and panel protection.
- 3. Two fire paths protected.**
2 hours at the penetration plus cable flame-spread protection tested to **4 hours** / **240 minutes**. The 1-foot EC 43 coating is included free.
- 4. Why pay more for what the clause does not specify?**
A lower-cost Indian alternative: IS-tested seal + free cable coating. Compare imported FM / UL offers on the **complete installed package**: seal, cable treatment, installation and documentation.

05 Indian expertise. Site support.

Indian manufacturing. Tested systems. Site support from survey to installation.



STANVAC / Gurugram facility. Enhanced source photograph.

PCO / PANELS · CABLES · OPENINGS

Send your drawings. Ask for a site survey and specification.

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