

PCO

WORLD'S FIRST COMPLETE ELECTRICAL FIRE DEFENCE SYSTEM

FIRE DOES NOT STAY IN THE PANEL.



01
PANEL CATCHES FIRE.
SMOKE BUILDS.



02
CABLES CARRY FIRE.
INSULATION IS FUEL.



03
FIRE + SMOKE CROSS
UNSEALED OPENINGS

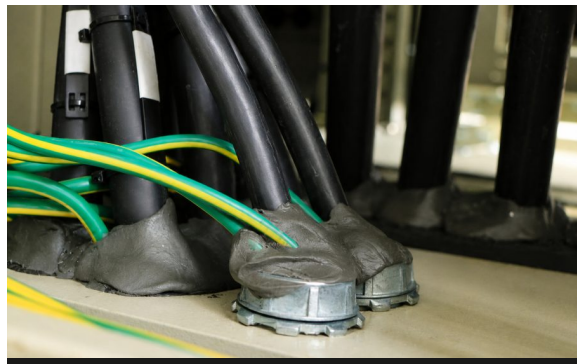
SMOKE THREATENS LIVES.

THE FIRE MAY LAST HOURS.

THE SHUTDOWN CAN LAST MONTHS.

01 PANELS

SEAL GAPS. COAT PANELS.



SEAL CABLE ENTRIES.
LIMIT AIR.
BLOCK FIRE + SMOKE.

FIREX FBS 73

FLEXIBLE, REOPENABLE FIRE-SEALANT PUTTY

Seals panel gaps and cable entries.
Limits air (oxygen) entry.
Blocks fire and smoke spread.
Keeps out dust, moisture, insects and rodents.

UP TO 2 HOURS | IS 12458

FIREX DC 52

STOP PANEL PAINT FEEDING FIRE.

Intumescent coating over internal panel paint.
Shields components from heat.

INDIA'S FIRST PANEL FIRE-BARRIER COATING

MCCs | DBs | panels | junction boxes | machine cabinets

02 CABLES

STOP SPREAD. KEEP CIRCUITS WORKING.



BURNT CABLES.
COSTLY REPLACEMENT.
COSTLIER SHUTDOWN.



INSULATION FAILS.
CONDUCTORS SHORT.
CIRCUITS FAIL.



COAT CABLES.
STOP FIRE SPREAD.

FIREX EC 43 GENERAL

STOP FLAME SPREAD

Cable trays

240 MIN | 1.6 MM
IEC 60332-3

FIREX EC 43 SURVIVAL

KEEP CIRCUITS WORKING

Pumps, alarms, ventilation, exits

IEC 60331-21
750°C / 240 MIN + 15 MIN COOLING

NO REDUCTION IN CABLE CAPACITY

IS 17505-1
950°C / 180 MIN

FIREX EC 7034

STOP RODENT BITES

Small cables + EC 43 topcoat
General / Survival | 0.5 mm topcoat

ONE BITE CAN START A FIRE

19 BITES TO ZERO
RDSO/SPN/204

120 MIN FIRE TEST
IEC 60332-3-22 CAT A

FLAME-SPREAD CONTROL IS NOT CIRCUIT SURVIVAL.

FM 3971 | FLAME-SPREAD COATINGS

EC 43 SURVIVAL | IEC 60331-21

CIRCUIT SURVIVAL

TESTED XLPE 4-CORE 70 SQ MM

6 MINUTES DEAD. 240 MINUTES ALIVE.

STANDARD XLPE

6 MIN | CIRCUIT DEAD

FR-LS XLPE

7 MIN | CIRCUIT DEAD

+ EC 43 SURVIVAL | 1.6 MM

240 MIN | CIRCUIT ALIVE

WHEN THE CIRCUIT DIES

THE SHUTDOWN TO REPLACE FIRE-DAMAGED CABLES
COSTS FAR MORE THAN THE CABLES.

PRODUCTION
LOSS

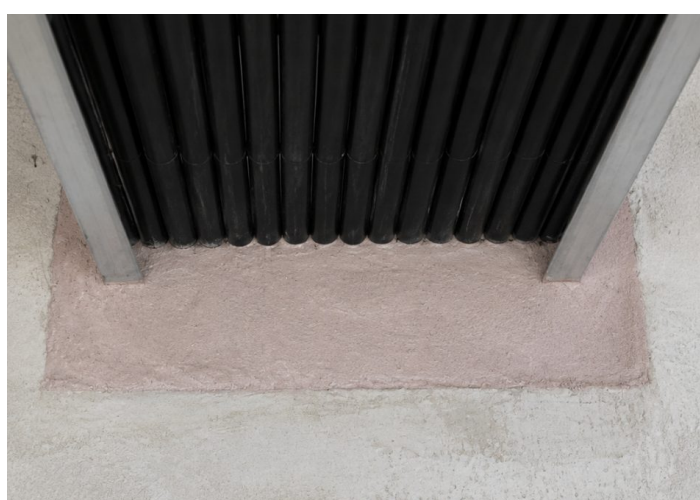
HUMAN INJURY
RISK

CABLE
REPLACEMENT

LONG BUSINESS
DISRUPTION

03 OPENINGS

SEAL OPENINGS. COAT CABLES.



SEAL WALLS + FLOORS.
BLOCK FIRE + SMOKE.

FM 71 MORTAR



SEAL FAST.
REOPEN WHEN NEEDED.

FB 250 / HYBRID FIRESTOP

FIREX FM 71

STRONG. LIGHT. ECONOMICAL.

Load-bearing walls / floors

75 MM | 2 HOURS

FIREX FB 250

NO WET WORK

Near live equipment.
Running plants / data halls /
repairs

100 MM | 2 HOURS

FM 71 + FB 250

FAST. STRONG. REOPENABLE.

Hybrid firestop.
For future cable changes.

100 MM | 2 HOURS

COAT CABLES THROUGH SEALS

EC 43 | 1 FT INCLUDED
IEC 60332-3

TESTED SYSTEMS

CSIR-CBRI ROORKEE | IS 12458 | IS 17505-1 | IEC 60331-21 | IEC 60332-3 | IEC 60332-3-22 CAT A | RDSO/SPN/204

LEGAL EXPOSURE: FIRE DEATH CAN LEAD TO CRIMINAL ACTION.

ONE SYSTEM. ONE SOURCE.

ONE ACCOUNTABLE PARTNER.

REQUEST A SITE SURVEY

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