



PyroGuardTM

Fire Protective Coating

Certified and tested by



FIRE RATED





Our Commitment:

At **Primus Udyog**, we prioritize productivity, safety, and energy efficiency, providing top-tier quality and service for a lifetime.

"Committed to quality, committed to you."

About Us

Primus Udyog Pvt Ltd is a well-led business with an experienced core team. We are on a mission to revolutionize the way commercial builders and manufacturing companies protect their assets and save on energy costs.

Primus Udyog, supported by our successful sister company **Albion Insulation Services**, offers tailored solutions that reduce costs and maintain aesthetics. We're committed to sustainability and excellence in every project.

We serve commercial and industrial clients, focusing on protecting valuable assets while minimizing environmental impact. With our range of products you can be rest assured that your assets are secured from fires and your energy expenses are minimized.



Cable



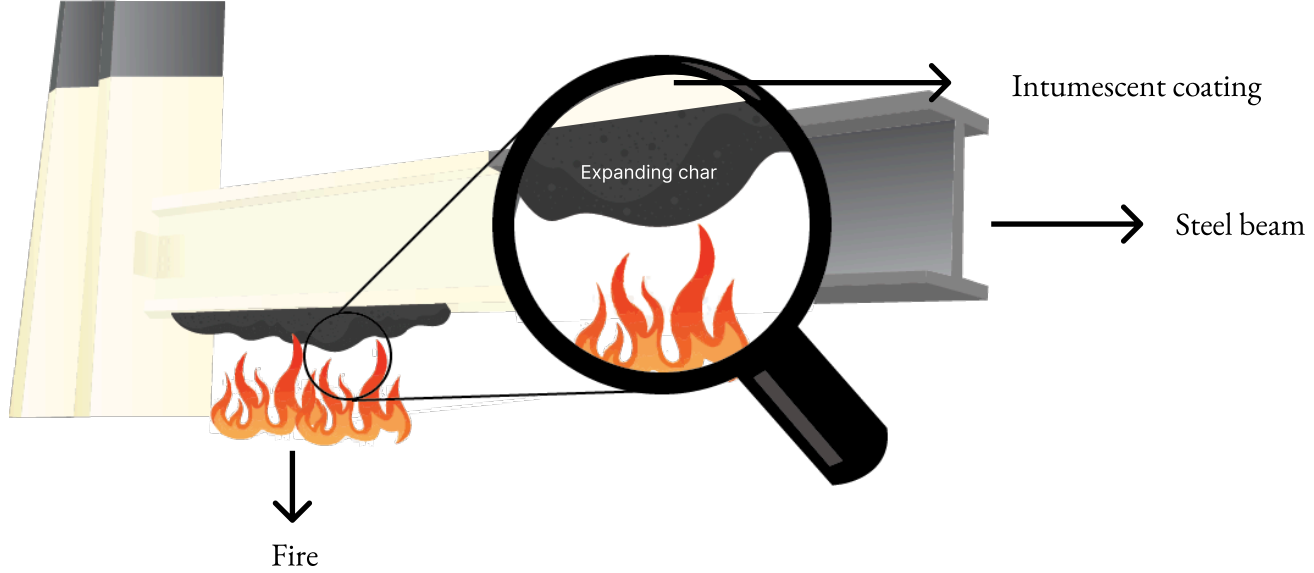
Duct



Steel



Wood



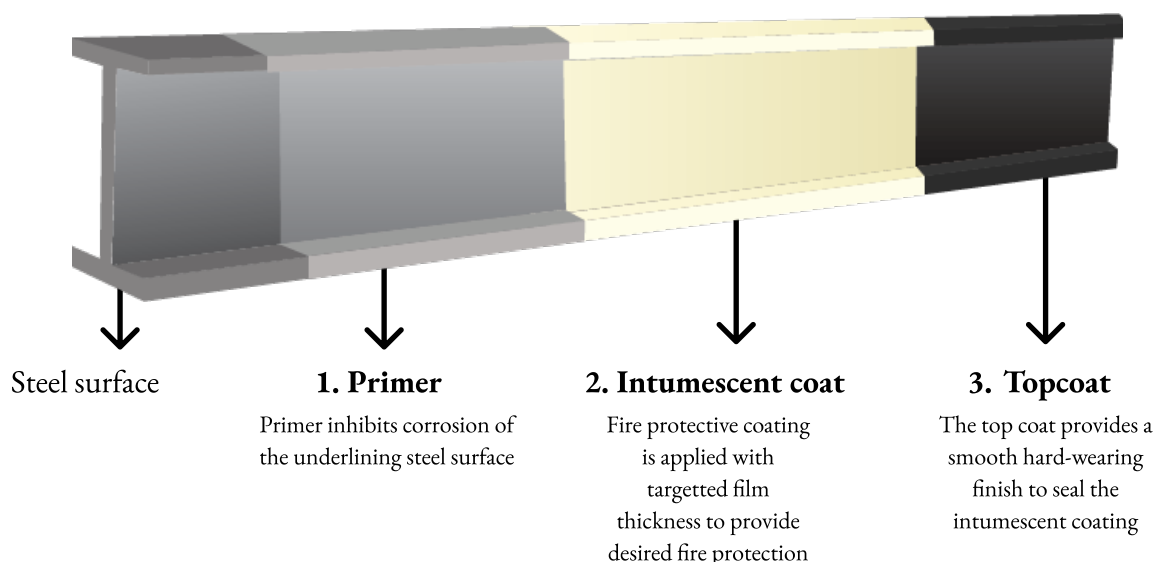
Intumescent fire protective coating

These are thin film coatings to protect against cellulosic fire incidents. In the case of fire, a chemical reaction takes place, causing the material to expand and form an insulating layer, which prevents the temperature of the surface from rising to a critical level.

Our coatings offer the following **benefits**:

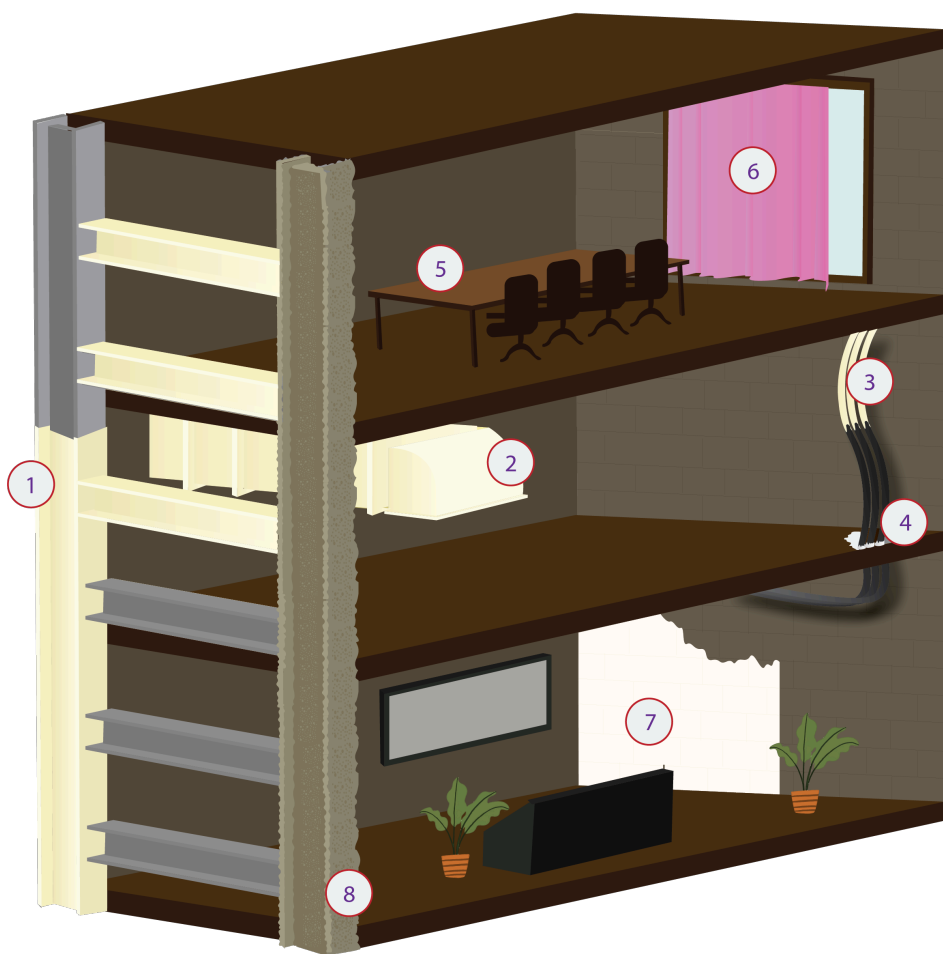
- ✓ Increased durability
- ✓ Lower application costs
- ✓ Faster process time
- ✓ Excellent aesthetic finish

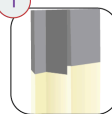
STEPS OF APPLICATION





PyroGuard range

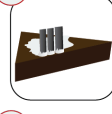
A fire protective coating

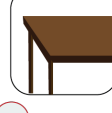


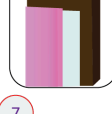
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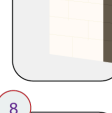
SteelMax
For steel structure
- 

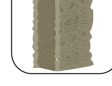
DuctPro
For duct work
- 

CabPro
For electric cables
- 

SealPro
For joints openings etc
- 

WoodPro & WoodMax
For wooden structure
- 

FabPro
For fabric
- 

ConPro
For concrete
- 

VerMax
For steel structure



Features

- ✓ Fire rating for 120 minutes & beyond
- ✓ Flexible & thin film protection
- ✓ Weathering resistance
- ✓ Suitable for exterior & interior use
- ✓ Non-corrosive
- ✓ High resistance to chemicals & acids
- ✓ Does not reduce the current carrying capacity of cables
- ✓ Easy application
- ✓ Maintenance free

CabPro

Is a water-based fire-retardant cable coating designed to prevent the propagation of fire on single, grouped, bundled electrical cables. **PyroGuard CabPro** forms a protective intumescent char when exposed to flame to form a protective layer in protecting the underneath cable.

Applied on

Electric power cables, communication cables, junction boxes, substations, cable galleries, switch room, battery room, cable basement, conveyor belts, cable tunnels, cable shafts, HV & LV cables, cables under repair, new & existing electric cables.



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CPRI



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IEC



IS

- Certified coating up to **120 minutes & beyond** fire rating
- **IEC 60331 & 60332 standards:** tested for circuit integrity under fire condition
- **IS 101 & 2932 standards:** tested for adhesion, flexibility & resistance to acid & alkali
- **ASTM D standards:** Complies to low oxygen index



Features

- ✓ Fire rating for 120 minutes & beyond
- ✓ Durable & maintenance free
- ✓ Applied directly on concrete
- ✓ Can be top coated for aesthetic
- ✓ Easy to use

ConPro

PyroGuard ConPro is a fire protection coating, designed to enhance the fire resistance of concrete structures, forming a heat-insulating carbon foam barrier when exposed to fire. It effectively delays heat penetration, preventing concrete damage and preserving structural integrity.

Applied on

- Concrete ceiling & walls
- Concrete slabs



Tested by



NTH

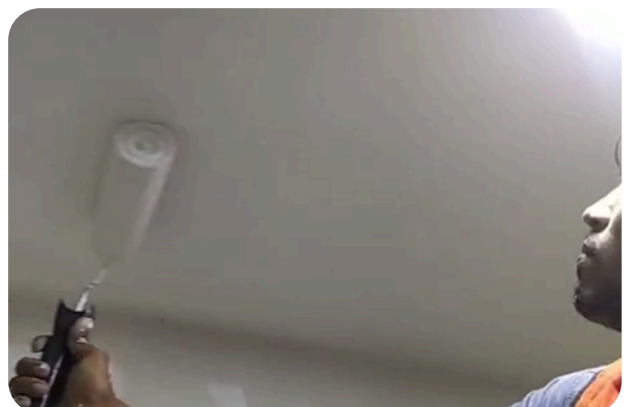


ASTM

bsi.

BS standards

- Certified coating up to **120 minutes & beyond** fire rating
- **ASTM E119/ BS 476 (part 20 & 22) standards:** tested for fire resistance, surface flame spread, fire propagation, integrity, and self-extinguishing properties





Features

- ✓ Provides fire rating up to 120 minutes & beyond
- ✓ Prevents fire from spreading, provides effective fire protection
- ✓ High-temperature protection
- ✓ Excellent durability & aesthetic protection
- ✓ Rapid drying times for fast handling
- ✓ Suited for local construction conditions
- ✓ Easy to apply
- ✓ Can be top coated to match surrounding

DuctPro

PyroGuard DuctPro, is a 2-hour fire-resistant coating for ductwork systems, to stop the fire on HVAC systems in the buildings.

Applied on

Duct works like galvanized ductwork, ventilation fire ductwork, smoke exhaust ductwork, car park ventilation ductwork, kitchen exhaust ductwork, in different types of ducts inside industrial & civil facilities and pressurization ductwork.



Tested by



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CBRI

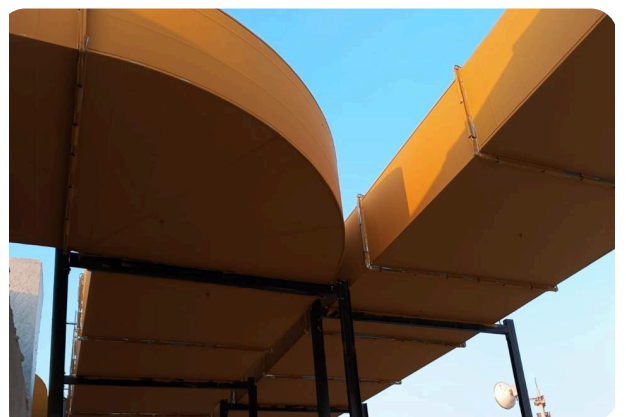


ASTM



BS standards

- Certified coating up to **120 minutes & beyond** fire rating
- **ASTM E119/ BS 476 (Part 20 & 22)**: tested for fire resistance, integrity, and self-extinguishing properties
- **BS 476 parts 6 & 7**: tested for fire propagation & surface spread of flame
- **BS 476 part 24**: confirm to stability & integrity of ductwork to resist the spread of fire





Features

- ✓ Offers fire rating up to 120 minutes & beyond
- ✓ An eco-friendly clear, water-based coating
- ✓ Keeps original appearance intact
- ✓ Non-toxic & environment-friendly
- ✓ Easy application
- ✓ Colorless
- ✓ Works well on any kind of fabric

FabPro

A clear fire-retardant coating/ spray that reduces flame spread & smoke development when exposed to flames & high temperatures. **PyroGuard FabPro** is odorless and lightweight, suitable for a wide range of fabrics.

Applied on

- Curtains, carpets, drapes, rugs
- Tents, tablecloths
- Decoration
- Furnishings seats



Tested by



NTH



ASTM

bsi.

BS standards



IS



NFPA



AIIRA

- **ASTM 6413 & NFPA 1975/2112 standards:** tested for vertical flammability
- **BS standards:** tested and certified for flammability
- **IS standards:** tested for horizontal flammability



Features

- ✓ Provides up to 120 minutes & beyond fire rating
- ✓ No priming needed
- ✓ Provides a smooth finish with easy application
- ✓ Long life with good strength
- ✓ Non-sagging
- ✓ Suitable for internal & external use
- ✓ Prevents the spread of fire & smoke
- ✓ Environment friendly

SealPro

Is formulated to prevent fire propagation when applied to surfaces across compartment walls, floors, shafts, and other openings. Formulated for fire rating applications, **PyroGuard SealPro** creates a perfect seal around cables, pipes, and ducts through walls, ceilings, and floors.

Applied on

- Suitable for large penetrations & openings
- Firestopping & sealing electrical service penetrations
- Firestop through floors or wall assemblies
- Firestopping of cables, cable trays, and pipes through large wall & floor openings



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NTH



ASTM



BS standards

- Certified coating up to **120 minutes & beyond** fire rating
- **ASTM E119/ BS 476 (parts 20 & 22) standards:** tested for fire resistance, surface flame spread, fire propagation, integrity, and self-extinguishing properties



Features

- ✓ Fire rating up to 120 mins & beyond as per BS 476 standards
- ✓ Fast cure & early weather resistance
- ✓ Gives an outstanding smooth finish
- ✓ Outstanding durability
- ✓ Easy to apply
- ✓ Excellent aesthetics
- ✓ Suitable for on-site & off-site application
- ✓ Covers the majority of all steel structure
- ✓ Can be top coated to match surroundings
- ✓ Single-pack product for easy application

SteelMax

An intumescent fire protective coating is the modern & widely accepted method for the protection of steel structures.

PyroGuard SteelMax provides the desired look, feel & protection for the project.

Tested by



NTH



CBRI



ASTM



UL

bsi.

BS standards

- Certified coating up to **120 minutes & beyond** fire rating
- **ASTM E119/ BS 476 (Part 20 & 22)/ UL 263:** tested for fire resistance, integrity, and self-extinguishing properties
- **BS 476 parts 6 & 7:** tested for fire propagation & surface spread of flame

Applied on

- Structural steel including galvanized steel, mild steel, stainless steel.
- Structural steel columns & beams for building & construction industry, high-rise commercial buildings, airports & railway stations, shopping malls, manufacturing plants.





Features

- ✓ Offers fire rating for 30-120 minutes
- ✓ Can be used internally & externally*
- ✓ A clear finish coat helps maintain the wood look
- ✓ Easy application
- ✓ Helps maintain the natural wood look
- ✓ Provides a smooth & transparent polish finish
- ✓ Reliable passive fire protector
- ✓ Slows down spread of flame

Applied on

- Treated or untreated timber
- Wood flooring, panelling, MDF board
- Furniture, cabinets
- Insulation board or plasterboard
- Plywood

**WoodPro for internal use or shaded areas, WoodMax to be sealed with top coat if used externally*



WoodPro/Max

PyroGuard offers both clear finish & intumescent coating that provides fire rating for wood & wood related products.

It retards the spread of fire along the surface of wood.

Tested by



NTH



ASTM



BS standards



IS

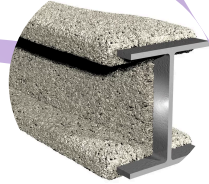


ATIRA



CBRI

- Certified coating up to **120 minutes** fire rating
- **ASTM E119/ BS 476 standards:** tested for fire resistance, surface flame spread, fire propagation, integrity, and self-extinguishing properties
- **BS 476 part 7:** tested for surface spread of flame
- **IS/ BS/ ASTM D standards:** tested for vertical & horizontal flammability



Features

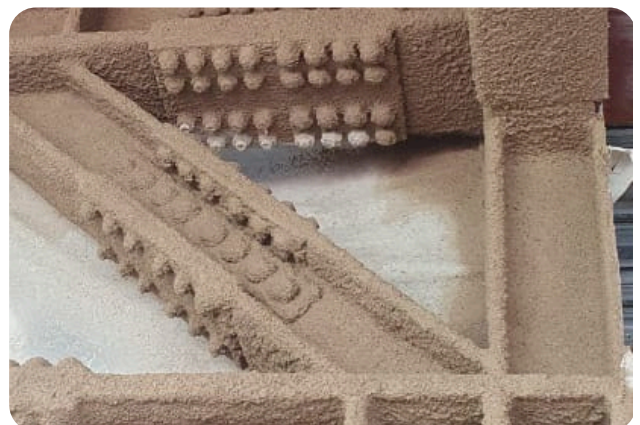
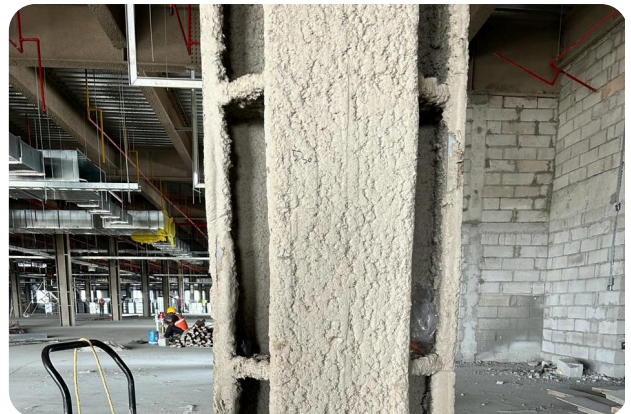
- ✓ Provides fire rating for up to 120 minutes & beyond
- ✓ Mainly suitable for internal use
- ✓ Non-reactive insulating coatings
- ✓ No primer is required
- ✓ Non-combustible & Non-toxic

VerMax

A vermiculite fireproofing is a robust passive fire protection coating designed to safeguard structural steel and concrete elements in the event of a fire. **PyroGuard VerMax** offers a reliable defence against high temperatures and fire, ensuring the integrity of buildings and infrastructure during emergencies.

Applied on

- Steel structure
- Concrete structure in commercial buildings
- Industrial facilities
- Public & institutional buildings



Tested by



NTH



ASTM

bsi.

BS standards

- Certified coating up to **120 minutes & beyond** fire rating
- **ASTM E119/ BS 476 (parts 20 & 22) standards:** tested for fire resistance, surface flame spread, fire propagation, integrity, and self-extinguishing properties



 **PyroGuard**TM
Fire Protective Coating

OUR
ESTEEMED
CLIENTS

OUR ESTEEMED CLIENTS

CabPro



IndianOil

IOCL



American Embassy
School



सेल SAIL

Steel Authority of
India

DuctPro



ABB



Microsoft



Google



Adobe



Mall of Asia

SealPro



Marelli



MAX Healthcare



AIIMS



DLF



NKG

SteelMax



China Construction
Sausam India Pvt Ltd



DS Group



Gaur's Group



Gopal Groups



PVR Cinemas



HAL Offshore



IndianOil

IOCL



Liberty Engineering



Oil India



I-thum world



Hindustan Times



Epack prefab



Global Foyer Mall

WoodPro/ WoodMax



Airport Authority
Of India



Honda



Protech Organo
Foods



SBI



Kalpataru Projects
Internationals



Kiran Nadar
Museum Of Art



Vegas Mall



Indian Army



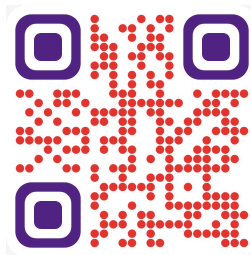
Papaya restaurant



Shri Ram Centre for
Performing Arts

WHY US?

- Product are made in India
- Certified by national labs
- Un-compromised product quality
- Power packed product features
- Cost-effective products
- Cooperative & supportive team
- Adherence to ethical practices
- Quick response time
- 100% committed to our customer



Visit our website
www.primusudyog.com

PG-CAT/OCT/24

📍 Head office - **Gurgaon** ✉️ mailus@primusudyog.com ☎️ +91 - 87006 90217, 98997 22973, 96542 87850, 7982819114

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Fire Protective Coating

InsolGuard[™]
Ceramic Microsphere Coating

VaporGuard
Cold Insulation Coating

ZangGuard
Anti-Corrosive Coating

CurrentGuard
Electric Insulation Coating

Services