

Fire-retardant coating for galvanized cable trays



Article Overview

Fire-retardant coatings such as FLAMMOTECT-A, DG-CR 0.7, and SikaSeal®-641 are effective solutions for enhancing the fire resistance of galvanized cable trays.

Recommended Fire-Retardant Coatings

1. FLAMMOTECT-A and DG-CR 0.7 These products are designed to protect cables and cable trays in high-risk environments, including hospitals, industrial plants, and offshore facilities. They form a robust protective shield that prevents flame propagation and maintains cable functionality during fire events. In addition to fire protection, they enhance resistance to UV radiation, moisture, salt water, oil, and chemicals, making them suitable for both indoor and outdoor galvanized trays . 2. SikaSeal®-641 Fire Coating This is a water-based ablative coating specifically developed for grouped or bundled cables and cable trays. It complies with IEC 60332 (Cat. A) and IEC 60331 fire tests. The coating is applied at a recommended film thickness of approximately 2.5 mm wet, resulting in 1.6 mm dry, with effectiveness directly related to thickness. It can be applied over galvanized trays after cleaning dust or grease, and it is suitable for both indoor and outdoor installations . 3. Fire-Retardant Composite Boards Some manufacturers offer galvanized composite fire-retardant boards that integrate a fire-resistant layer with the structural tray. These solutions provide passive fire protection, forming an insulating barrier during fire exposure and reducing flame spread. They are particularly useful in high-risk or high-rise building applications where fire safety is critical

Article Content

Sep 28, 2025

Fire Protection Coating for Cables and How It Is Saving

A fire retardant coating is an inexpensive way to protect your cables from damage and fires,

May 03, 2026

Fire Retardant Cable Coating

In the simplest sense, the coating transforms a group of cables into one large single cable, covered with a fire retardant jacket. Cable

Apr 11, 2026

ALTIC 007 Fire Stop Cable Coating | Intumescent Fire

On exposure to fire, the coating expands up to 10 times its thickness, forming an insulating char that

Sep 30, 2025

Heat Insulation and Protection Measures for Fireproof Cable Trays

Unlike standard trays, they're engineered to resist fire propagation, often with added coatings, insulation, or material

Sep 24, 2025

Powder Coating for Cable Tray Systems Guide

Guide to powder coating cable tray systems for data centers and industrial use. Covers fire

Dec 25, 2025

Fireproof Cable Trays Acceptance: Standards for Safety

Fireproof cable trays play a crucial role in modern electrical systems. They provide robust

Dec 26, 2025

Fire Resistance Coating for Wires & Cables, 25 Kg

Fire Retardant Intumescent Paint is a highly effective coating that reacts to the heat generated by fire,

Dec 07, 2025

Fire Risks and Protection Measures for Cable Trays

For metallic options, galvanized steel trays offer robust protection and, when treated with intumescent fire-retardant

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How to Choose the Surface Corrosion Protection for Cable Trays

In the construction of electrical infrastructure, cable trays are essential components for supporting and protecting

Aug 18, 2025

Technical Guidelines for Cable Tray Installation and

Fire-resistant trays must be made from non-combustible or flame-retardant materials such as: Galvanized

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What is Cable Tray Finishes and Their Applications

Discover cable tray finishes like galvanized coatings, powder coating, and stainless steel, designed to protect against

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FIRE PROTECTION COATING FOR CABLES

Application: DC 6150 Cable Coating is a non-halogenated, asbestos-free, non-toxic, flexible, ablative fire retardant cable coating

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Suitable Cable Trays For Your Environment | Cable Tray

Hutaib Electricals: Leading cable tray manufacturer in India. Explore durable cable trays and accessories with epoxy,

Feb 10, 2026

CharCoat Fire Retardant Paint for Wire & Cable

CharCoat is an FM-Approved Intumescent Latex Cable Coating that stops fire from spreading on the cable

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Fire Rated Cable Tray, Heavy-Duty Cable Tray Manufacturer

Fire Rated Cable Trays that are crafted from premium materials like stainless steel, galvanized steel, tempered glass, and fire

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Comprehensive Guide to Hot-Dip Galvanize Cable Trays

Learn about the hot-dip galvanize cable trays process, benefits, and key considerations. Discover how this corrosion

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Fire Wrap vs Intumescent Coating for Cable Trays

Compare fire wrap and intumescent coating for cable trays by performance, ATEX

Jan 27, 2026

Cable Trays Surface Treatment: Methods and Applications

Explore the ultimate guide to cable trays surface treatment, covering galvanization, HDG, painting, powder coating,

Jun 08, 2026

Technical Guidelines for Cable Tray Installation and

Surfaces should be coated with fire-retardant paint to slow flame spread and increase heat resistance.

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Fire protection for cables & cable trays | Flamro

Fire protection solutions to protect cables, cable trays and cable systems. Discover our tested cable

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SikaSeal®-641 Fire Coating | Sealing & Bonding Solutions

The Product is a water-based ablative coating developed for the fire protection of grouped or bundled electrical cables, cable trays

Feb 21, 2026

Fire Risks and Protection Measures for Cable Trays

Use fire-retardant cable jackets or fireproof coatings to inhibit ignition. Conduct regular inspections and cleaning to

Jan 22, 2026

Fire Retardant Paints for Wire & Cable | RDR Technologies

What is Cable Coating Fire Protection? Cable coating fire protection is a process of applying a specialized coating to electrical cables

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Powder Cable Tray

Powder Cable Tray For Logistics District Construction In Taian Powder cable tray, also known as powder coated cable tray, is

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FIRE RATED CABLE PROTECTION

ABOUT CHARCOAT CC CABLE COATING CharCoat CC Cable Coating is a water-based Intumescent Latex coating developed for

Mar 17, 2026

KBS - Cable Fire Protection and Penetration Sealing | Wolman

The KBS ® fire protection portfolio includes a wide range of fire protection products of the highest quality that reliably prevent the

Sep 21, 2025

Experimental testing and evaluation of coating on cables in container ...

This work analyzed the tests on coated and cable samples coated with intumescent fire-retardant paint. Galvanized

Jun 06, 2026

Fire Resistance Testing of Cable Trays: Key Standards & Methods

Fire Resistance Testing of Cable Trays ensures they don't fuel fires or emit

Jan 23, 2026

Fireproof Channel Cable Tray System

The fireproof channel cable tray system is produced by galvanized channel cable tray after processing

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

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