

How much zinc coating is there on the cable tray



Overview

Carbon steel used for cable trays shall be protected against corrosion by the following processes: Hot-dip galvanized zinc after fabrication in accordance with ASTM A123/A123M, Coating Grade 65 with an average zinc coating weight of 460 g/m² per side or coating thickness of 0.065. The galvanization process is the primary anti-corrosion treatment for cable trays. The quality of the zinc coating directly determines the tray's service life and application scenarios. A cathodic action occurs on cut s leaned and roughened in order to achieve a good bond. Legrand wiremesh cable trays are resistant. Both pre-galvanized cable tray and hot-dip galvanized (HDG) cable tray are the two common types of cable trays, and they are essential components in electrical wiring systems, designed to support and route cables in industrial and commercial buildings. ZM is a metallic coating applied to steel which is made up of a chemical composition which includes Zinc, Magnesium and. Cable tray shall be fabricated either from corrosion resistant metal such as aluminum alloy or carbon steel with corrosion resistant coating such as zinc coatings as specified in the data schedule.

Article Content

Nov 27, 2025

CABLE TRAYS

Zinc rich coating is a common process used for this type of part, and requires only a temperature of 280°C (536°F) or less, either by centrifuging or spraying. The thickness of the coating (coated Zinc

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Zinc Plating vs. Mill Galvanizing: Which Zinc Finish Is Right for Your ...

Comparing zinc plating and mill galvanizing for cable trays, this article highlights zinc plating's advantages in aesthetics, cleanliness, and weld protection for indoor applications.

Nov 22, 2025

Galvanised vs Painted Cable Trays: Which Is Right for You?

Which are more durable, galvanised or painted cable trays? Galvanised cable trays are generally more durable. Their zinc coating protects against rust, making them ideal for more

Apr 29, 2026

Materials Used & Finishing Of A Cable Tray

There are many types of materials and finishings used to manufacture a Cable Tray. Hutaib Electricals, Cable Tray Manufacturer in India offers a wide range of cable trays in India. Today Cable

Aug 31, 2025

Wiremesh Tray Finishes

Most wire mesh cable tray is coated with zinc for corrosion protection, but the difference lies in the application process. While there are range of galvanized finishes available in the industry, zinc

Oct 03, 2025

The latest national standard for cable tray, different

There are many national standards for cable tray, and the technical specification of T/CECS 31-2017 steel cable tray is the latest standard, in which different

Nov 12, 2025

How to Choose the Surface Corrosion Protection for

By following the ISO 12944 standard, selecting appropriate surface treatments and coating systems for cable trays ensures enhanced durability and

Jun 20, 2026

Zinc Magnesium – a better finish for cable tray and trunking

Cost-effective: reduced zinc usage, combined with elimination of any requirement for post-galvanising treatment, means that Zinc Magnesium coating is an extremely

May 10, 2026

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Cable tray shall be fabricated either from corrosion resistant metal such as aluminum alloy or carbon steel with corrosion resistant coating such as zinc coatings as specified in the data schedule.

Oct 14, 2025

B-Line series Cable Tray Design Considerations

As an industry leader in cable tray, Eaton offers one of the widest ranges of cable management solutions available in the market today with its B-Line series portfolio. With unmatched quality and service, we

Jan 28, 2026

Technical specifications CT15 (Cable Tray perforated)

An added advantage of hot-dip galvanizing is that along the edges and pointy bits, where objects are usually extra susceptible to corrosion, the zinc coating is thicker because of the behaviour of the liquid.

May 13, 2026

What Is The Difference Of Pre-Galvanized VS HDG

HDG cable trays have a much thicker zinc coating that provides superior corrosion resistance. The hot-dip process ensures that all surfaces,

Aug 29, 2025

Electrical Engineering Finishing of cable Tray Industry Learners

G90 requires a coating of .90 ounces of zinc per square foot of steel, or .32 ounces per square foot on each side of the metal sheet. In accordance with A653/A653M pre-galvanized steel is not generally

Feb 26, 2026

Swifts cable tray

As well as being available in traditional pre-galvanised (PG), hot dip galvanised (G) and stainless steel (S) finishes, Swifts cable tray is now available in a pre-galvanised zinc magnesium finish (ZM) in

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NOW AVAILABLE IN ZM

ZM (Zinc Magnesium) is a pre-coated steel product which uses a metallic composition of zinc, with aluminium, and magnesium. This coating enables high corrosion resistance which is comparable to

Jan 02, 2026

What is Zinc-Aluminum-Magnesium Cable Tray?

Explore the features, benefits, and applications of Zinc-Aluminum-Magnesium Cable Tray. Discover why it is the ultimate solution for cable

Mar 12, 2026

CABLE TRAYS

The thickness of the coating (coated Zinc and Aluminum flakes) is thinner than Hot-dip galvanising. There are different methods to check the durability of steel parts. Some are standardized, others are

Mar 13, 2026

Hot-Dip Galvanized vs. Aluminum | Cable Tray Institute

Field cuts are also much easier with aluminum cable trays, not only because aluminum is easier to cut, punch, and drill, but there is no need to apply a protective coating to the exposed edges.

Jun 05, 2026

ZM FINISH ADDED TO CABLE TRAY RANGE - Unitrunk

ZM is a metallic coating applied to steel which is made up of a chemical composition which includes Zinc, Magnesium and Aluminium. The unique composition offers

May 18, 2026

Electro Zinc Plated Wire Mesh Cable Tray

Zinc plated wire mesh cable trays were most used among all cable basket series, especially in data center cable support systems. The basket cable

Sep 03, 2025

Cable Tray Corrosion Protection Guide

Discover the best practices for cable tray corrosion protection, including load capacity, materials, and customized solutions for various applications.

Jun 07, 2026

Cable Tray Material and Surface Treatment

Cable Tray Material and Surface Treatment Corrosion of metal is a main factor that affect cable tray lifespan. Therefore choice of surface treatment or the type of steel is very important, especially for

Jul 27, 2025

Galvanized Cable Tray Zinc Coating Standards and

The standard stipulates that the zinc coating thickness for electro-galvanized trays and accessories shall not be less than 12µm. This requirement

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