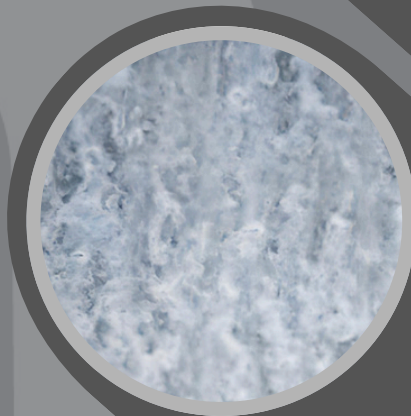


POWAKOTE®

Next-Generation Corrosion Protection

Up to 5x more protection than Hot Dipped Galvanising

- ✓ Stronger
- ✓ Smarter
- ✓ Lasts Longer



POWAGroup

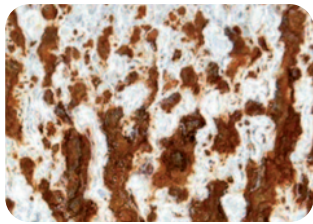
POWAKOTE®

Next-Generation Corrosion Protection

Powakote® is a next-generation zinc-magnesium-aluminum alloy coating applied through hot-dip galvanising. It provides advanced corrosion protection and a unique self-healing property at cut edges and scratches.

CONVENTIONAL GALVANISING

Rust appears early at cut edges and scratches.



Zinc
Coating Thickness:
10 μm

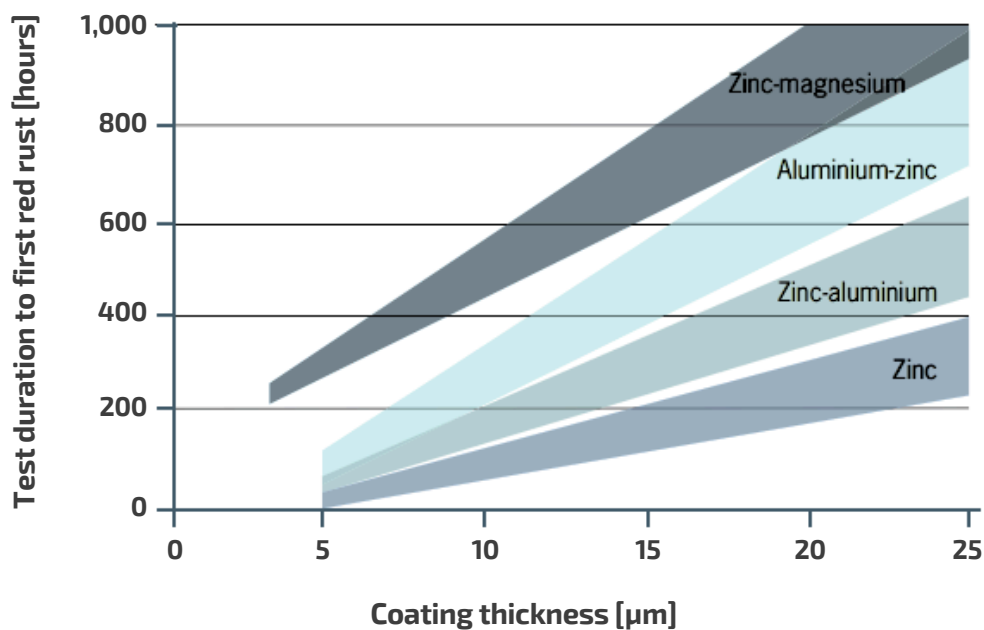
POWAKOTE® (ZM COATING)

Self-healing oxide layer prevents rust spread.



Zinc-magnesium
Coating Thickness:
7 μm

336 Hours



POWAKOTE®

Next-Generation Corrosion Protection



Up to 7x higher corrosion resistance compared to conventional zinc coatings.



Self-healing oxide layer extends protection to cut edges, welds, and scratches.



Superior barrier protection: stable oxide film prevents corrosion creep.



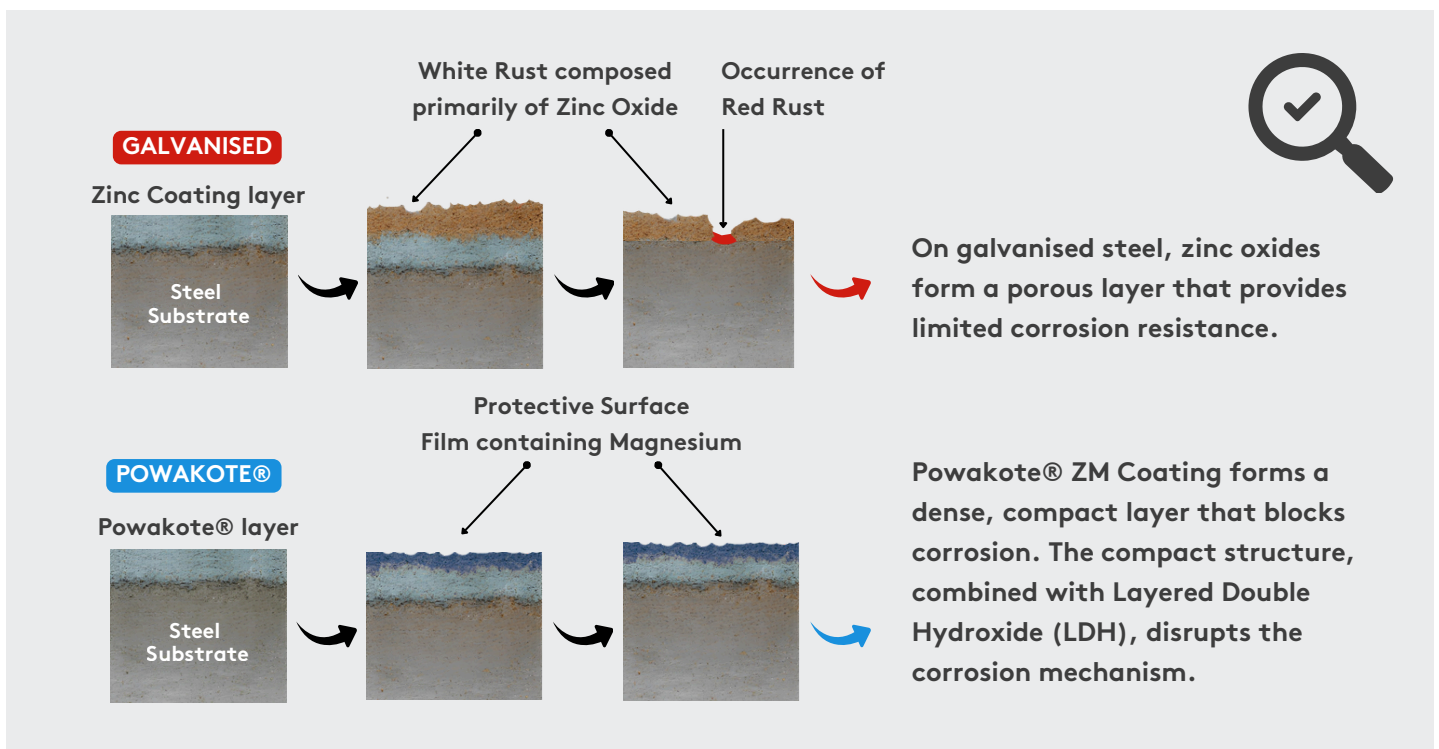
Higher surface hardness reduces abrasion and tool wear.



Excellent formability, weldability, and paint adhesion.

Performance Testing for Powakote®

Test	Conventional Galvanising	Powakote® (ZM)
Salt Spray (ISO 9227)	Red rust < 72h	Red rust > 500h
Cyclic Corrosion	Moderate resistance	Superior long-term protection
Field Exposure	Rust at cut edges	Self-healing prevents rust spread



POWAKOTE®

Next-Generation Corrosion Protection

Environmental & Sustainability Benefits



- Significantly reduced zinc runoff into soil and water.
- Lower CO₂ footprint than stainless steel and aluminium alternatives.
- 100% recyclable and REACH compliant (free from harmful substances).

Technical Specifications for Powakote® ZM Coating

Parameter	Powakote® (ZM Coating)
Thickness Range	0.4 – 3.2 mm
Coating Weights	70 – 450 g/m ² (5–25 µm per side)
Steel Grades	Structural, Forming, High-Strength
Surface Treatment	Oil, Chrome-free passivation, Easyfilm®
Standards	EN 10346, DIN 55634, SEW 022

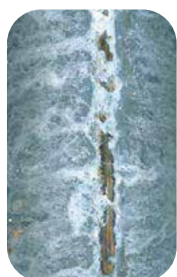
Powakote® Coating Applications



- Solar support structures – durability in soil and outdoor exposure.
- Strut and framing systems – superior corrosion resistance.
- Plumbing tubes and welded products – protection at weld seams.
- Outdoor structures – roofing, crash barriers, silos, guardrails.
- Agricultural applications – grain silos, storage structures.

Why Powakote® is the smarter choice for plumbing tubes

- Powakote®'s thin coating improves weldability and allows easier bending and forming.
- Its self-healing layer protects welded joints and cut edges from corrosion.



Powakote®

VS

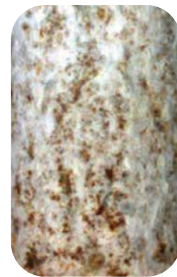


Pre-galvanised



Powakote®

VS



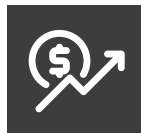
Post-galvanised

The Value Advantage of PowAKote®



EXTENDED LIFESPAN

Powakote® offers outstanding corrosion resistance, proven through extensive outdoor testing - delivering up to three times the lifespan of traditional hot-dip galvanised coatings.



ENHANCED VALUE AND COST EFFICIENCY

Higher Return on Investment

- Powakote® provides clear cost advantages over post-galvanised steels.
- Its superior ability to protect even complex and deformed shapes allows for greater design flexibility.
- The coating's lower weight (depending on environmental conditions) achieves the same level of corrosion protection with less material.
- Simplified fabrication processes help shorten the logistics chain, saving both time and cost.

A Smarter Alternative to Stainless Steel and Aluminium

- Achieve corrosion resistance comparable to stainless steel and aluminium but at a significantly lower cost with Powakote®

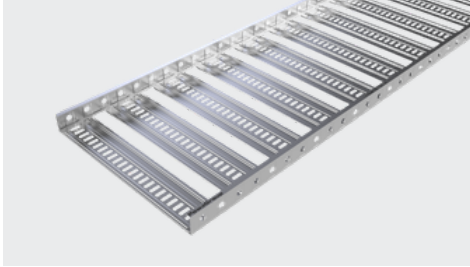
Lower Maintenance and Improved Productivity

- Post-painting can often be eliminated, reducing both maintenance expenses and processing steps.
- The exceptional durability of Powakote® results in longer service life and less frequent maintenance over time.

POWAKOTE®

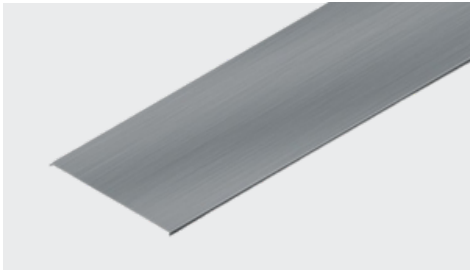
Product Range

PT3 Cable Tray



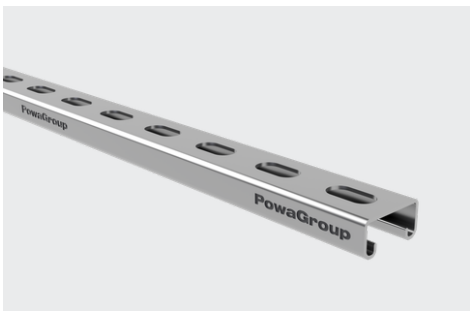
Product Code	Size
08ET3T1503POWAKOTE	150mm x 3m
08ET3T3003POWAKOTE	300mm x 3m
08ET3T4503POWAKOTE	450mm x 3m
08ET3T6003POWAKOTE	600mm x 3m

PT3 Cable Tray Cover Flat



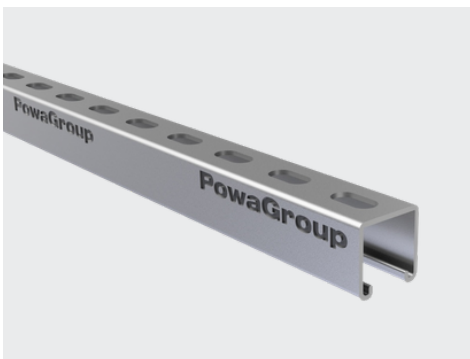
Product Code	Size
08ET3C1503POWAKOTE	150mm x 3m
08ET3C3003POWAKOTE	300mm x 3m
08ET3C4503POWAKOTE	450mm x 3m
08ET3C6003POWAKOTE	600mm x 3m

Slotted Strut Heavy Duty - 41 x 21 x 2.5mm



Product Code	Size
09SLH20C300K	300mm
09SLH20C450K	450mm
09SLH20C600K	600mm
095LH20C750K	750mm
095LH206KOTE	6000mm

Slotted Strut Heavy Duty - 41 x 41 x 2.5mm



Product Code	Size
09SLH40C300K	300mm
095LH40C650K	650mm
095LH40C1000K	1000mm
095LH40C1200K	1200mm
095LH40C1500K	1500mm
095LH40C2000K	2000mm
095LH406KOTE	6000mm