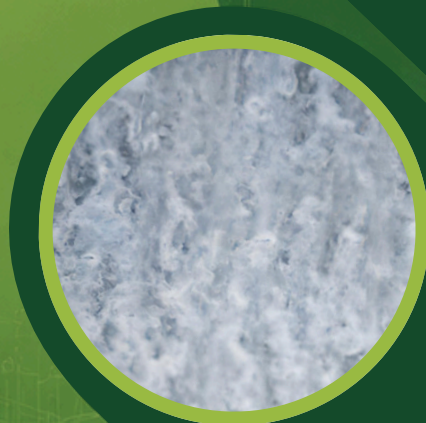


POWAKOTE®

Next-Generation Corrosion Protection

Up to 5-7x more protection than Standard Zinc Coating

- ✓ Protects Steel Longer
- ✓ Self Healing
- ✓ Lower Carbon Footprint
- ✓ Eco Friendly
- ✓ Cost Effective



POWAGroup

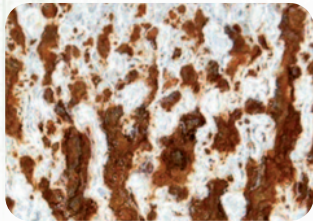
POWAKOTE®

Next-Generation Corrosion Protection

Powakote® is a next-generation unique blend of alloy coating applied through a process similar to 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

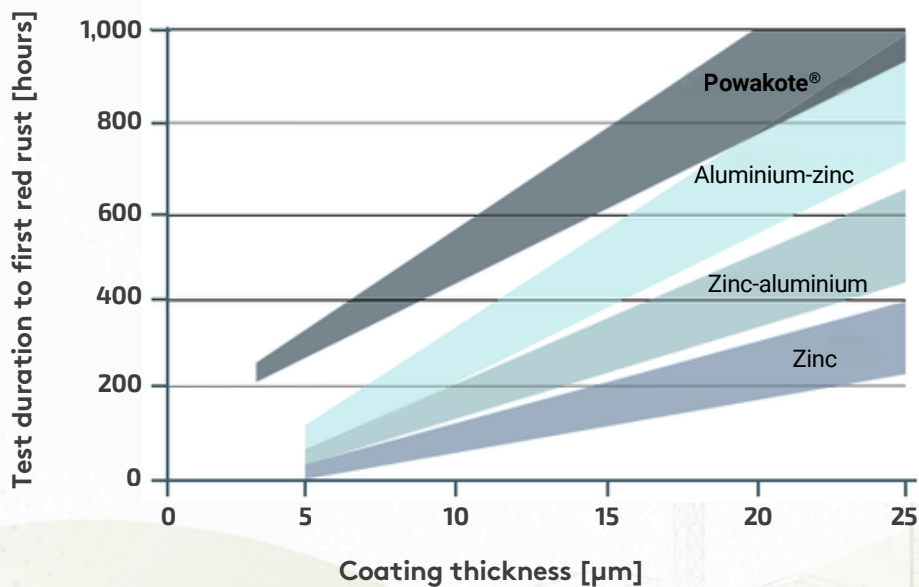
POWAKOTE®

Self-healing oxide layer prevents rust spread.



Powakote®
Coating Thickness:
7 µm

336 Hours



POWAKOTE®

Next-Generation Corrosion Protection



Up to 5x higher corrosion resistance compared to conventional zinc coatings and up to 3x longer than Hot Dipped Galvanised 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.

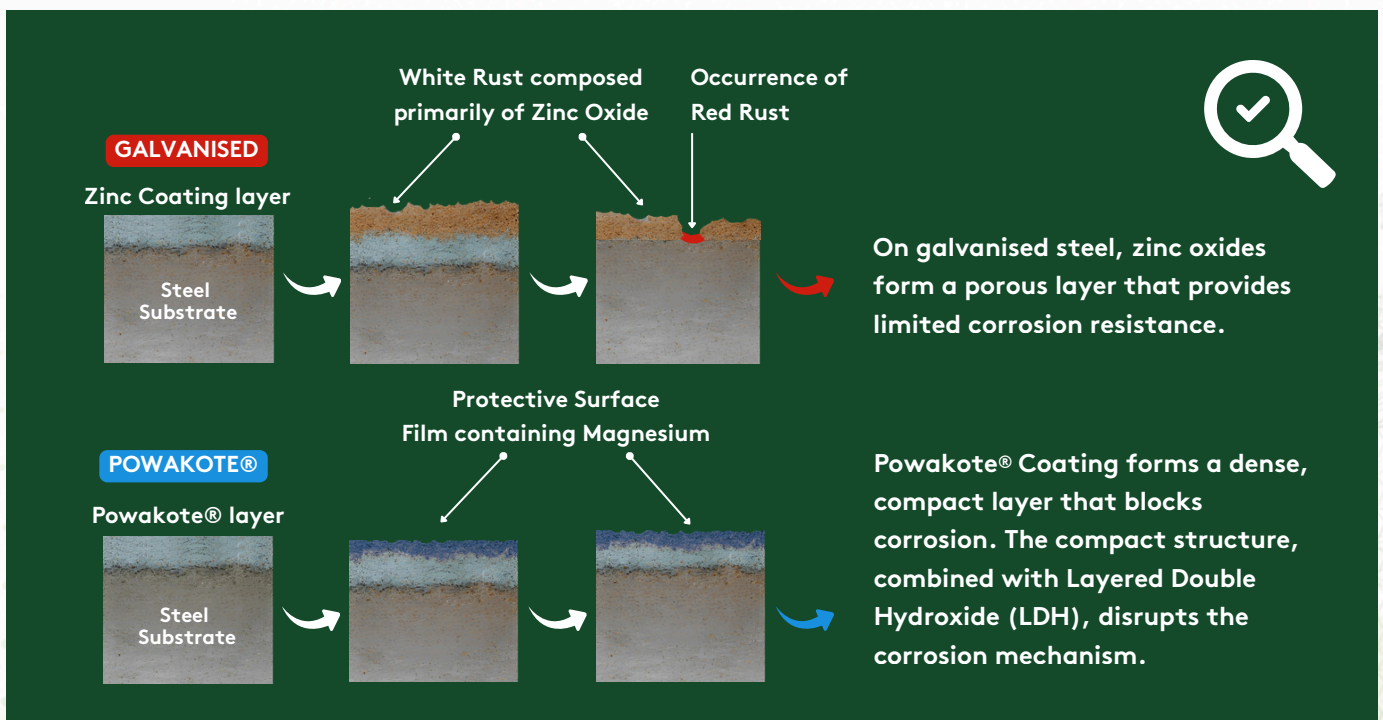


Excellent formability, weldability, and paint adhesion.

*Based on μm coating thickness

Performance Testing for Powakote®

Test	Conventional Galvanising	Powakote®
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 CO footprint than stainless steel and aluminium alternatives.
- 100% recyclable and REACH compliant (free from harmful substances).



Technical Specifications for Powakote®

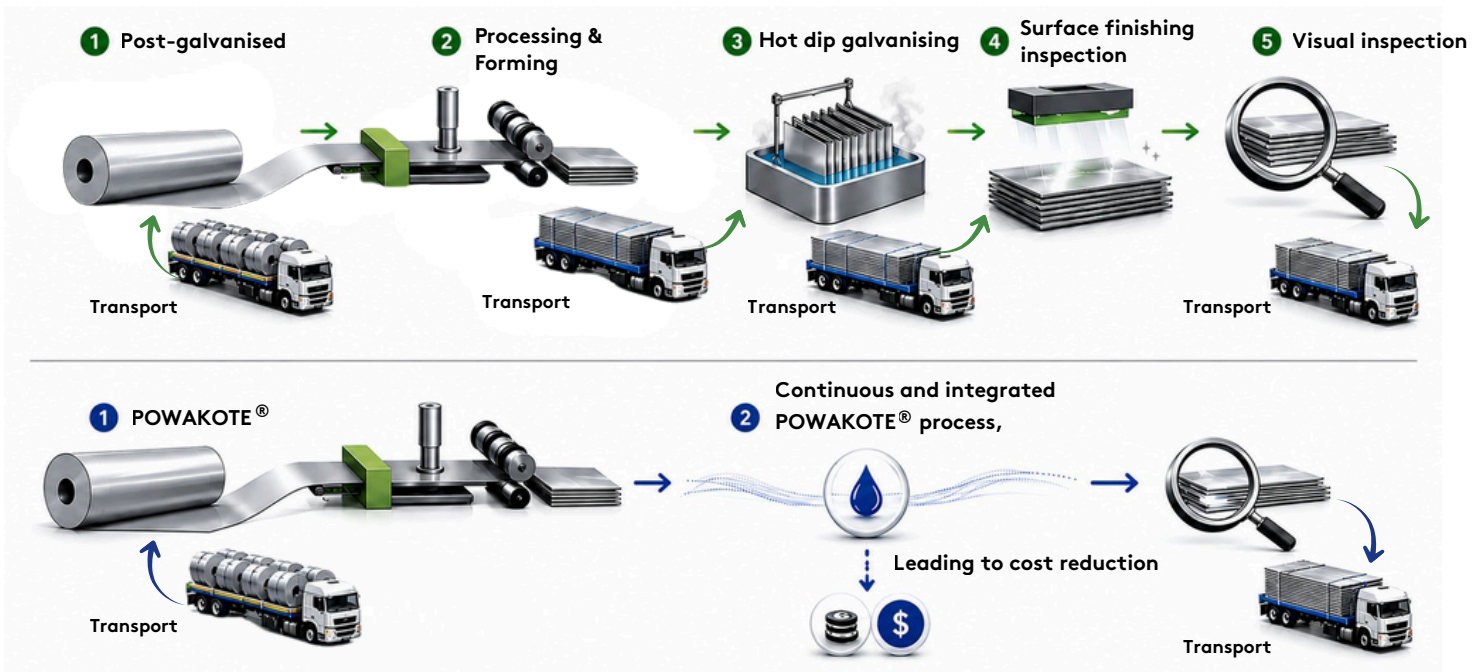
Parameter	Powakote®
Steel Grades	Structural, Forming, High-Strength
Surface Treatment	Oil, Chrome-free passivation, Easyfilm®
Standards	EN 10346, DIN 55634, SEW 022

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.



POST-GALVANISED VS POWAKOTE®



POWAKOTE®

The Value Advantage



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.
- 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 moving towards 304 stainless steel grade and aluminium but at a significantly lower cost with Powakote® depending on environment.

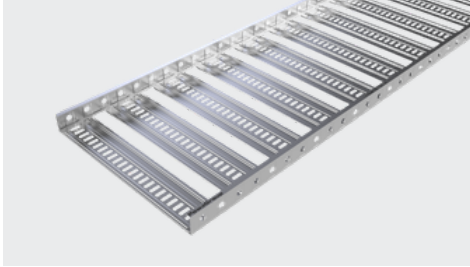
Lower Maintenance and Improved Productivity

- 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®

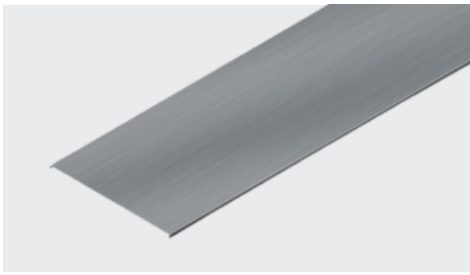
Product Range (Continuously Expanding Range)

PT3 Cable Tray



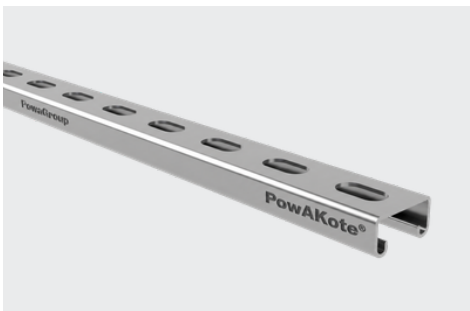
Product Code	Size
08ET3T1503POWAKOTE	150mm x 3m
08ET3T3003POWAKOTE	300mm x 3m
08ET3T4503POWAKOTE	450mm x 3m
08ET3T6003POWAKOTE	600mm x 3m

PT3 Cable Tray Cover Flat



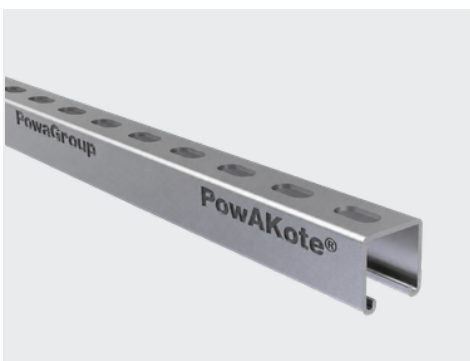
Product Code	Size
08ET3C1503POWAKOTE	150mm x 3m
08ET3C3003POWAKOTE	300mm x 3m
08ET3C4503POWAKOTE	450mm x 3m
08ET3C6003POWAKOTE	600mm x 3m

Slotted Strut Heavy Duty - 41 x 21 x 2.5mm



Product Code	Size
09SLH20C300K	300mm
09SLH20C450K	450mm
09SLH20C600K	600mm
09SLH20C750K	750mm
09SLH206KOTE	6000mm

Slotted Strut Heavy Duty - 41 x 41 x 2.5mm



Product Code	Size
09SLH40C300K	300mm
09SLH40C650K	650mm
09SLH40C1000K	1000mm
09SLH40C1200K	1200mm
09SLH40C1500K	1500mm
09SLH40C2000K	2000mm
09SLH406KOTE	6000mm