

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/04.05

TOWERSHIELD 404 HIGH BUILD VINYL COATING

DESCRIPTION

TOWERSHIELD 404 is a pigmented, plasticized Vinyl Chloride copolymer coating designed to be applied directly to galvanised steel surface or as a finish coat for other suitably primed steel surfaces. It can be applied over galvanised surface in a single coat. **TOWERSHIELD 404** has excellent weathering resistant, very good colour retention and excellent adhesion over wide range of surfaces.

RECOMMENDED USES

TOWERSHIELD 404 is recommended as a aesthetic colouring or identification for steel and galvanised surfaces in natural and aggressive weathering environments. Suitable as a finish coat for steel towers, structural steel, tanks, pipes, bridges, building interior and exterior, pylons, steel ductworks and etc.

NOT RECOMMENDED FOR

Exposure to solvents and strong chemicals.
Not suitable for immersion services.

ADVANTAGES

- High-build - Single coat application over galvanised steel.
- One coat system - Save on materials and labour costs.
- Easy application - single pack materials.
- Excellent adhesion - can adhere well to most substrates.
- Excellent flexibility - no cracking and peeling problem due to weathering cycle.
- Weather resistant - Excellent weather resistant and colour retention.

TYPICAL CHEMICAL RESISTANCE

EXPOSURE	SPLASH & SPILLAGE	FUMES
Acids	Good	Good
Alkali	Good	Good
Solvents	Poor	Poor
Salts	Very Good	Excellent
Water	Excellent	Excellent

PHYSICAL DATA

Generic Type	: Vinyl Copolymer
Finish	: Satin
Volume Solids	: 35 ± 2 %
No. of Components	: One
Recommended Thickness	: 50 - 100 microns DFT per coat
Theoretical Coverage	: 3.5 m ² /litre @ 100 microns DFT
No. of coats recommended	: Two
Drying Time	: Touch dry - 30 minutes Topcoat - 24 hours
Temperature resistance	: 65°C for continuous exposure
Packing Size	: 5 litres & 20 litres
Thinner	: Thinner #3 or Thinner #404
Cleaner	: Thinner #2

APPLICATION INSTRUCTIONS

SURFACE PREPARATION : Remove oil or grease from surface to be coated with clean rags soaked in PLC Cleaner #2 in accordance with SSPC-SP1. Loose rust or other loose contaminants shall be removed by power tool or sand paper.

STEEL : Steel surface shall be dry abrasive blasted in accordance with SSPC-SP6 Commercial Blast and prime with organic or inorganic primer.

GALVANISED STEEL : Can be applied directly to galvanised steel surface.

MIXING : Mix to a uniform consistency before using.

APPLICATION : Can be applied by roller, brush conventional or airless spray.