



Overview

Rust finishes are low gloss textured finishes formulated from standard or super-durable polyester resin systems to achieve excellent exterior durability, colour and gloss retention for architectural applications.

Colours range from burnt orange through to red-brown with variations in shade and texture to make each project unique and very realistic.

Rust finishes can be applied to aluminium, mild steel, galvanized steel and most metal substrates. When used in combination with chrome-free pre-treatment Rust finishes are long-lasting & hard-wearing.

Key Points

- Excellent weather resistance
- Excellent mechanical properties
- Tactile finish
- Good edge coverage
- All powders are Qualicoat class 1 or class 2 approved
- Conforms to BS EN 12206-1 & EN 13438

Approvals

Rust finishes include powders of different properties defined by one or more of the approvals below.

Qualicoat: P-0145, P-0397, P-0800, P-1082, P-7037, P-0720, P-0846 (UK).

Properties & Performance

BS EN 12206-1 and EN 13438 are the governing standards.

Applied gloss @ 60°: ISO 2813. Texture. <10%

Applied film thickness: > 60 microns.

Weathering:

Accelerated test, Xenon lamp. ISO 16474-1:2013. Residual gloss of >50% after 1000 hours.

Florida test, ISO 2810 : 2004. Residual gloss of >50% after 12 months.

Adhesion: ISO 2409. GT0.

Corrosion: AASS 1000 h ISO 9227. No blistering after 1000 hours.

Colour: Colour change ΔE : According to Qualicoat requirements (appendix A7). Where applicable.

Humidity: ISO 6270-2. 1000 h. No blistering.

Cylindrical Mandrel Bending: ISO 1519. 5 mm pass.

Resistance to Boiling Water: (pressure cooker). No defect or peeling after 2 hours.

Process

Pre-treatment:

Aluminium. Titanium-Zirconium (TiZr) non-chrome 6-stage pre-treatment.

Galvanized steel. Silane (Oxsilan) non-chrome 8-stage pre-treatment.

Powder application:

Corona discharge system.

Applied under ISO 9001: 2015 Quality Management System. Approval Nr: LRQ 4460 Cert Nr 10532977

Product information

Contract specific

Project information

Contract specific

Warranty

For C2 and C3 environments: 25-year warranty for gloss, colour and adhesion is offered as standard.

For C4 and C5I & C5M environments: Guarantees are conditional on project location, environmental conditions and pre-contract approval.

Warranties are offered in conjunction with Powdertech standard terms and conditions and a documented cleaning and maintenance programme.

Please note:

Whilst every care has been taken to provide accurate information this document is for guidance only and should be read in conjunction with other data sheets where applicable.

This document forms no part of a contract. Any warranty is subject to individual review.