



Overview

Stone finishes are a range of matt, fine and coarse texture products formulated from polyester resin systems to achieve excellent exterior durability, colour and gloss retention for architectural applications.

They can be matched closely to re-constituted stone and GRC including any aggregate highlights and subtle tones.

Stone finishes can be applied to aluminium, mild steel, galvanized steel and most metal substrates. When used in combination with chrome-free pre-treatment.

Stone finishes are long-lasting, hard-wearing and lightweight with minimal maintenance.

Approvals

Stone range includes 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. Fine 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.

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

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

Specific to each project

Project information

Specific to each project

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.