Powdertech Anti-graffiti Powders

Technical data sheet and applications

GENERAL DESCRIPTION

Anti-graffiti (AG or EC) coatings are formulated with very low porosity reinforced polyurethane which provides a surface finish resistant to chemicals and solvents including inks, paints, aerosols, marker pens and stains. Graffiti can be wiped off the surface using one of the many suitable cleaning agents available.

TYPICAL APPLICATIONS

Seating, fascia, ceiling & wall panels, trims and decorative elements that may be subject to deliberate or accidental marking.

Can be used for internal and external applications.

FEATURES

- Resistant to graffiti materials - no discolouration, blistering or softening.
- Resistant to cleaning materials - easily cleaned without change in colour or gloss.
- Greater surface hardness than polyester powder coating, low porosity and good abrasion resistance.
- One coat system.
- Compliant with London Underground Engineering Standard 2-01001-002 'Fire Safety Performance of Materials'.

PROCESS

Anti-graffiti finishes are applied using the same process route, quality control procedures and inspection methods as polyester. Please refer to Technical Data Sheets 1, 2 and 3 for further details.

FINISH AND COLOURS

Smooth, satin (60% +/- 10 units) and gloss (85% +5/-10 units).
Available in most RAL colours.
Applied film thickness minimum of 60 microns.

WARRANTY

Warranty covers adhesion and is offered in conjunction with the powder manufacturer's standard warranty terms.

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PRE-TREATMENT

Aluminium. Processed to BS6496, ISO 12206.
Galvanized steel. Processed to BS6497, ISO 13438.
Mild steel. Either shot-blast or vapour degrease.

CURING

Powder is cured in accordance with the manufacturers' recommendations.

Typical conditions are 200 degrees C (metal temperature) for 10 minutes.

All ovens are automatically monitored and recorded.

CERTIFICATION AND TESTING

Graffiti resistance is tested to RSE/STD/012 clause 5.2.6. using aerosol paints, solvent felt tip markers and brown leather dye.

UNDERGROUND PERFORMANCE

Compliant with London Underground Engineering Standard 2-01001-002, "Fire Safety Performance of Materials". Suitable for below ground, "section 12" locations and surface locations.

FIRE RESISTANCE

Anti-graffiti coatings are compliant with smoke emission, toxic fume emission, flame spread and heat release requirements with reference to:

- Smoke emission: BS6853:5.2
- Toxic fume emission: L.U.L. standard 2-01001-002
- Flame spread: BS476 Part 7.Class 1 pass
- Heat release: BS476 Part 6. Pass

Compliance is for indication purposes only

ENVIRONMENT

Powder coatings, unlike liquid paints contain no VOC's (volatile organic compounds) and present, therefore, no solvent pollution risk or solvent recovery/disposal costs.

NOTE

The information given in this data sheet is typical and for guidance only. It forms no part of a contract.

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CLEANING

Graffiti can be wiped away with suitable graffiti cleaning agents. Avoid the use of abrasive cleaners and abrasive cloths.

Dependant on the graffiti the following cleaners can be used:

- Denatured alcohol
- Detergent
- Acetone
- Trichloroethylene
- Tetrachloroethane
- Proprietary cleaners are available and we recommend that guidance is taken before any graffiti removal.

REPAIR AND REMEDIAL PAINTING

Can be repaired on site in small areas but the repaired section will not have anti-graffiti properties. Anti-graffiti powders can only be factory applied.

KEY POINTS:

ANTI-GRAFFITI POWDER COATINGS

- High resistance against solvent and aggressive agents.
- Graffiti removal is straightforward and the surface is not harmed or discoloured.
- L.U.L. approved.
- Available in a wide range of colours, satin and gloss finishes.
- One coat system.
- Powdertech is an ISO 9001 approved company