



## Overview

Recent development in the specification of construction materials means that providing comprehensive and up to date information is difficult. The information in this document is for guidance only and must not be regarded as definitive.

We have highlighted only the specifications relevant to architectural powder coating which should not be applied to other paint finishes.

A project specification of powder coating should include the requirement to show test evidence from the powder manufacturer of achieving A2-s1,d0 classification.

A powder applicator should demonstrate that application is accordance with the powder manufacturers approved field of application.

**To support you we have provided a list of relevant organisations.**

## Relevant standards and achievements for architectural powder coating

**BS 476 1989 part 6. Fire propagation.** Achievement, class 0.

**BS 476 1997 part 7. Surface spread of flame.** Achievement, class 1.

**BS6853 1999 Annex B.2. Smoke emission.** Achievement, pass.

**BS 6853 1999 Annex D.8.4. Toxic fume emission.** Achievement, pass.

**EN 13501-1. Reaction to fire.** Achievement, class A2-s1, d0

**BS 8414. Fire performance of external cladding systems.** Achievement, no contribution to spread of flame.

### London Underground

**Engineering Standard 2-01001-002:A1. Fire Safety Performance of materials.** Compliant and suitable for stations, tunnels and rolling stock (interior and exterior)  
<http://content.tfl.gov.uk/appendix-8-fire-safety-performance-of-materials.pdf>

**TS 45545.** European community unifying standard for the rail industry. BS 476 and BS 6853 comply.

**Building Regulations (England),** Approved Document B Fire Safety. Published 2010. Updated March 2024.

## Key Points

- Architectural powder coating materials meet current fire regulations.
- Powder coating is not considered as detrimental to the fire resistance of metals.
- Powdertech powders and products meet A2-s1, d0 specifications

## Powdertech products reaction to fire classification

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**Wood Finish** has been independently tested by Warringtonfire and re-certified by System Laboratories Ltd and achieves a reaction to fire classification A2-s1, d0. See data sheet reference "PWF Reaction to fire".

**Evolution and Zest** products have been independently tested by System Laboratories Ltd and achieve a reaction to fire classification A2-s1, d0

**Satellite** products have been independently tested by System Laboratories Ltd and achieves a reaction to fire classification A2-s1, d0

Anomatch, Stone, Rust and Freeform all use powders achieving and A2 fire classification,

Powdertech record powder characteristics during application to ensure compliance to powder manufacturers certified Field of Application

## Organisations

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The Centre for Window and Cladding Technology (CWCT)  
[www.cwct.co.uk](http://www.cwct.co.uk)  
CWCT. The Studio, Entry Hill, Bath. BA2 5LY. 01225 330945

Building regulations & Building Control.  
[www.planningportal.co.uk](http://www.planningportal.co.uk)

Building Control Alliance  
[www.buildingcontrolalliance.org](http://www.buildingcontrolalliance.org)

London Underground. Transport for London (TFL)  
[www.tfl.gov.uk](http://www.tfl.gov.uk)

British Standards  
[www.bsigroup.com/en-GB/](http://www.bsigroup.com/en-GB/)  
389 Chiswick High Road, London, W4 4AL. 0345 080 9000

Government Building Regulations  
[www.gov.uk/government/publications/fire-safety-approved-document-b](http://www.gov.uk/government/publications/fire-safety-approved-document-b)

## Project information

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Specific powder coating material information can be inserted here

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### Please note:

Whilst every care has been taken to provide accurate information this document is for guidance only. Further information must be sought from relevant organisations.

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