

## Product & Technical Data Sheet

The Vantage Ano-Dura Range of High-Grade Architectural Powders is a super durable range of polyester powder finishes designed to protect the substrate and to provide a decorative, durable, long-life anodise-effect finish. The Vantage Ano-Dura Range of powders is designed for areas where attention to aesthetics and quality is important. Available in a unique selection of superior quality low sheen shades to compliment current architectural design trends.

### Suitable for Architectural Metalwork

- Aluminium
- Mild Steel
- Stainless Steel
- Cast Metals
- Galvanised and Zinc Coated Substrates
- Qualizinc Arc Metal Spray

### Properties & Finish Characteristics

- Available in the following colours: Black, Bronze, Gold, Grey and other colours on request
- Metallic low-sheen finishes
- Appealing anodise-effect finish with a unique look, which can disguise imperfections on the underlying surface
- Compatible with a variety of anti-corrosion treatments
- Used in conjunction with Bradleys Bondakote Primer system to create excellent adhesion and greater longevity
- Superior resistance to wear and tear
- Meets Qualicoat and Qualisteelcoat International Standards
- Environments – Interior and Exterior: C1, C2, C3, C4 and C5
- Gloss category / Gloss range / Acceptable variation 1 (matt) 0 - 30 +/- 5 units 2 (satin) 31 - 70 +/- 7 units 3 (gloss) 71 - 100 +/- 10 units

### Advantages over Anodising

- Can be applied to a variety of metal substrates and different shapes and sizes, whereas anodising can only be applied to certain types of aluminium within tank size constraints
- Anodising is difficult to repair once damaged, unlike Ano-Dura which can easily be touched up or recoated
- Ano-Dura does not require costly, time-consuming and meticulous cleaning and preparation of the metal surface compared to anodising
- Ano-Dura will give you consistency of colour from panel to panel

### Durability & Weather Resistance Performance

- Accelerated Weathering - Class 2 ISO 16474-2 (1000 hrs) ≥90% Gloss retention
- Acetic Salt Spray Resistance - ISO 9227 <16 mm2 corrosion/10cm, 1000 hours (aluminium)
- Adhesion – Achieved the ultimate Class 0 in accordance with ISO 2409
- Chemical Resistance - Resistant to solvents (Xylene rub test)
- Florida Exposure - Gloss retention compliant with Qualicoat Class 2 requirements
- Flexibility - SO 1519 (cylindrical Mandrel) Pass Qualicoat class 2 requirements
- Excellent colour stability at elevated temperatures
- Permeability Resistance - No sign of detachment or blistering as per Qualicoat specification
- Mortar Resistance - As per Standard EN 12206, no effect after 24 hours
- Impact Resistance - No sign of detachment following the tape pull adhesion test
- Durability of up to 40+ years depending on environment, pre-treatment system and cleaning
- Warranty – Up to 40 years

### Fire Rating



- A number of Vantage Ano-Dura finishes are available in Fire Rated versions (Rated to A2-s1,d0) on prior request

### Repair & Maintenance

- Simple and easy to clean with pH neutral water and soft cloth or sponge
- Damage repair systems available for onsite application

### Environment

Vantage Ano-Dura Range offers several environmental benefits within the parameters of ISO 14001 Environmental Management System:

- **Low VOC Emissions:** Vantage Ano-Dura finishes emit minimal volatile organic compounds (VOCs) into the air
- **Efficient Application:** When applying Vantage Ano-Dura powder, about 90% of what's sprayed adheres to the metal surface. The remaining powder can be collected, filtered and reused
- **Energy Reduction:** Unlike the anodising process, Vantage Ano-Dura is much less energy-intensive as it does not require electrolysis
- **Water Usage:** Unlike anodising, Vantage Ano-Dura requires significantly less water in the production process
- **Elimination of Hazardous Substances:** Vantage Ano-Dura finishes do not require hazardous air pollutants (HAPs)
- **Enhanced Durability:** Vantage Ano-Dura-finished surfaces are highly durable, reducing the need for frequent repair and fewer resources required over time
- **TGIC Free:** Eliminating the risk of TGIC related adverse health effects
- **Lightweight Materials:** Vantage Ano-Dura powders add no significant weight to the substrate contributing to energy-efficient designs
- **Promotes Sustainability:** Vantage Ano-Dura-finished products are more sustainable due to their durability, reducing the demand for new raw materials

