

DuPont Powder Coatings

ALESTA[®] AP is a polyester coating formulated to meet the decorative and performance criteria of the construction industry for both aluminium and galvanized steel supported by a 25 year guarantee when applied by one of DuPont Powder Coatings' network of approved applicators.

Designed by you, coloured by DuPont

There are no limits to DuPont's imagination. Innovation is an integral part of the DuPont corporate culture. From the company which provided Corian, Kevlar, Tyvek and now ALESTA, DuPont is dedicated to providing architects and designers with the technology to bring their creativity to life. With manufacturing sites all around the world, DuPont offers a complete range of colourful and innovative coatings solutions together with a 25 year guarantee, backed by one of the world's largest companies. The ALESTA brand is today the clear global leader in the provision of architectural powder coatings.

Powder coatings in the architectural market

Powder coatings are today the leading coating solution for aluminium or galvanized steel for building components as varied as cladding or doors and windows. Powder coated components provide architects with a previously unknown high level of design freedom, and make for an easy match with other materials such as glass, plastic, or wood. Colour and surface finish can easily be adjusted to be as individual as the specifier desires, without compromising the strong functional properties, such as weatherability, elasticity and high impact and abrasion resistance. Once thought impossible, today DuPont can even replicate anodic finishes.



*Coeur de Defense, Paris
Architect: Jean Paul Viguier
ALESTA[®] AP Ral 7035 & 9010 Satin
Applicator: Alcan Extrusion, France*

The advantages of powder coatings

- **Great choice of colours, shades and effects:** an unlimited choice of colours, gloss levels, metallic and pearl effects are available to the market.
- **High variety of surface finishes:** textures, leatherette, hammer, wrinkle and other finishes, give special appearances to the substrate and at the same time cover surface imperfections.
- **Excellent mechanical properties:** a high level of impact resistance and edge protection are achieved through only a single layer coating.
- **Ease of application and low conversion cost:** single layer coating and material transfer efficiencies of up to 98% (because of the recovery and re-use of the overspray), substantially reduce the applied cost.
- **Environmentally and ecologically friendly coatings:** powder coatings are solvent-free and do not contain either lead or TGIC.

ALESTA® AP architectural coatings

DuPont offers a complete range of products with excellent mechanical and weathering resistance characteristics, which makes them particularly suitable for outdoor architectural purposes. As well as a 'standard' durable finish, DuPont has also developed 'Superdurable' finishes for extremely hostile weathering environments. The range includes full gloss, semi-gloss, or matt finishes, and varying levels of textures such as leatherette, wrinkled and sand textured. Both speckled and metallic finishes are readily available, but increasingly pearlescents and other new variants are being specified to give products an outstanding decorative effect.

Architectural colour ranges

As a vital part of the customer service programme, DuPont create and maintain their own collection of architectural colour ranges.

Variations: 99 designed colours

Alliages: a compilation of 21 products with textures and metallic finishes

Opalin: 15 matt pearlescent appearance colours

Subliccoat: powder coatings for heat transfer applications

Classics: a collection of bonded, sophisticated, metallic greys

Minerals: a collection of metallic finishes

RAL & BS colour range: over 200 colours in gloss, satin or matt finish

PERFORMANCE

ALESTA® AP, DuPont Powder Coatings' range of architectural grade polyesters are manufactured and individually tested in accordance with ISO 9000 quality system to ensure excellent performance and colour consistency. Polymers and pigments, selected by the DuPont laboratory, are field-tested and are only chosen

when they satisfy or exceed the requirements of:

*BS 6496/EN 12206-1: 2004, for aluminium

*BS 6497/EN 13438: 2005, for galvanized steel

*Qualicoat

*GSB

*British Board of Agrément

*BS 476 Fire Approval – Part 6 Class 1, Part 7 Fire propagation index below required limits.

Combined test result: Class 'O' defined by the Building Regulations

*Pass Smoke Emission BS6853

*LUL approval – gloss and matt on steel and aluminium meet E1042 requirements

This enables DuPont Powder Coatings to offer a 25 year guarantee when their products are applied by one of the company's approved applicators.

Approved applicator network

In order to guarantee the highest quality, ALESTA® AP is applied by a network of approved applicators chosen after a thorough selection process. Approval is only granted following an audit at their premises, and when an applicator demonstrates proper control of the substrate pre-treatment, application, curing, testing and packaging in accordance with BS 6496/EN 12206-1: 2004 and BS 6497/EN 13438: 2005.

Environmentally responsible

DuPont powder coatings do not contain solvent, lead or other hazardous materials.

REFERENCES

A CD is available showing several prominent references throughout Europe.

No condition or warranty is to be assumed from the foregoing information



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**ALESTA®**
Powder Coatings



CoatingSolutions

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