



## The advantages of Architectural Lignum.

"ArchitecturalLignum" powder coatings provide designers and final users, clear advantages and opportunities:



- A wide range of products able to ensure an accurate and effective reproduction, in terms of aesthetics, of the most varied types of wood;
- An accurate assistance for formulations and a special effects required by architects, planners and designers;
- TGIC Free Products;
- High Chemical resistance, mechanical and to external factors;
- Durability ensured by Qualicoat

Class 1 certificate;  
- Compliance with Qualideco requirements.



The beauty of wood combined with the resistance of metal.

Wood effect finishes.

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POWDER TECHNOLOGY

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# ARCHI TEC LIGNUM TURAL

The production of powder coatings for the creation of wood effect finishes is hardly new to Europolveri, with these kind of products our company has been a pioneer, having obtained in 1998 its first certification "Qualicoat" with the line of powder coatings wood effect called "Woodall".

Research and Development, as it is in Europolveri's DNA, have led to new formulations and long and rigorous testing criteria finalizing in new lines of products with characteristics and performance that assure not only a high level of protection, as such good durability, but also a good results in terms of appearance and color.

## ArchitecturalLignum, all the colors and warmth of wood.

"ArchitecturalLignum" is an innovative line of powder coatings studied to recreate, with different technologies, the effect and warmth of wood essence on metal products.



The new series of coatings is formulated with polyester or polyurethane resins and is characterized by a high resistance to external agents and by an elevated aesthetic valance.

"ArchitecturalLignum" is available in two different series of powder coatings, related to the most current and modern application types.

One series of bases for wood effect with the use of the sublimation technology, which has obtained the "Qualideco" license, that foresees the following application phases:

- 1) Application of the powder coating, thickness 70-120 micron;
- 2) Complete Crosslinking in the oven at 200-220°C (15-20 minutes);
- 3) Wrapping and sealing of the film;
- 4) Air Extraction by vacuum;
- 5) Sublimation in oven at 200°C, transfer of the deco from the film to the bar;
- 6) Detachment and removal of the film by air blowing.



A second series of polyester based powder coatings, formulated for the applications of "powder on powder" that foresees the following application phases based on the technology used.

For horizontal installations:

- 1) Application of the powder coating, thickness 70-90 micron;
- 2) Fusion of the coating applied at 110-120°C (15-20 minutes);
- 3) Application of the veining powder;
- 4) Standard polymerization 190-200°C (15-20 minutes).

For vertical installations:

- 1) Application of the powder coating, thickness 70-90 micron;
- 2) Fusion of the coating applied at 110-120°C (15-20 minutes) or infrared for 4-6 minutes;
- 3) Application of the veining powder;
- 4) Defining of the veining with the use of rollers and brushes;
- 5) Standard polymerization 190-200°C (15-20 minutes).

## Application Sectors.

The ArchitecturalLignum powder coatings series, is applicable where it is necessary to accurately reproduce the effect and the warmth of wood on metal articles intended for inside or outside use, such as:

- Parts and furniture and metal structures such as doors, windows, garage doors;
- Architectural structures and coatings;
- Elements of furnishings such as furniture and lighting;
- House appliances.



For further characteristics, information or specifics please contact:  
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