

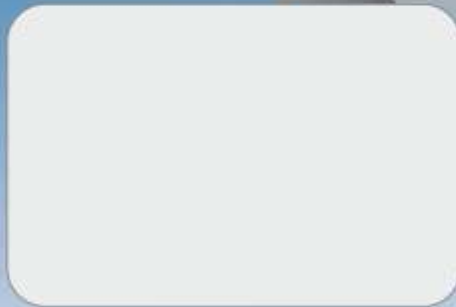


CRUISE & YACHTS INDUSTRY

Decoration & sublimation on metals



DECORAL® SUBLIMATION PROCESS – STEP BY STEP



1

METALLIC SUBSTRATE

RAW ALUMINIUM

All treatments prior to coating (powder coating) must include a phase of attack on aluminum. Such attack consists of one or more phases, the last of which, made before chemical conversion, must be acid. The total degree of attack must be at least 2 g/m².

The chemical conversion pre-treatment (chromate conversion) must be carried out according to ISO 10546 norm. After pre-treatment, the final wash must be made with demineralized water. In case of yellow cromate chemical conversion, the weight of the layer must fall between 0.6 and 1.2 g/m².



2

METAL PRE-TREATMENT



POWDER COATING



3

Polyurethane coating Powders, specially formulated for the sublimation process by Decoral System, are Qualicoat approved.

Pre-treatment and coating are undertaken by Verniciatura Industriale Veneta, a Qualicoat licensed coater (licence nr 704).



DECORATED ALUMINIUM

The sublimation film, printed with special inks, must adhere perfectly to the coated substrate that should be decorated. Moreover, the temperature must reach 195-210°C. The sublimation films ("Heat transfer film") used are produced by Decoral System (in accordance with Qualideco) and are applied by Viv Decoral, a Qualideco licensed decorator (licence IT-003F).



Licence nr. IT-003F



POLYURETHANIC DECORAL® COATING

Thanks to the powder coating process, it is possible to get Polyurethane Decoral® Coating finish in various colours (RAL, NCS, Pantone, sample matching).

The production cycle consists of a number of specific pre-treatments, followed by coating with special polyurethane Powders (Decoral System polyurethane powder coating). The Powders used comply with the requirements of Qualicoat international specification with approvals P-0506, P-0617, P-0832 and P-0865.

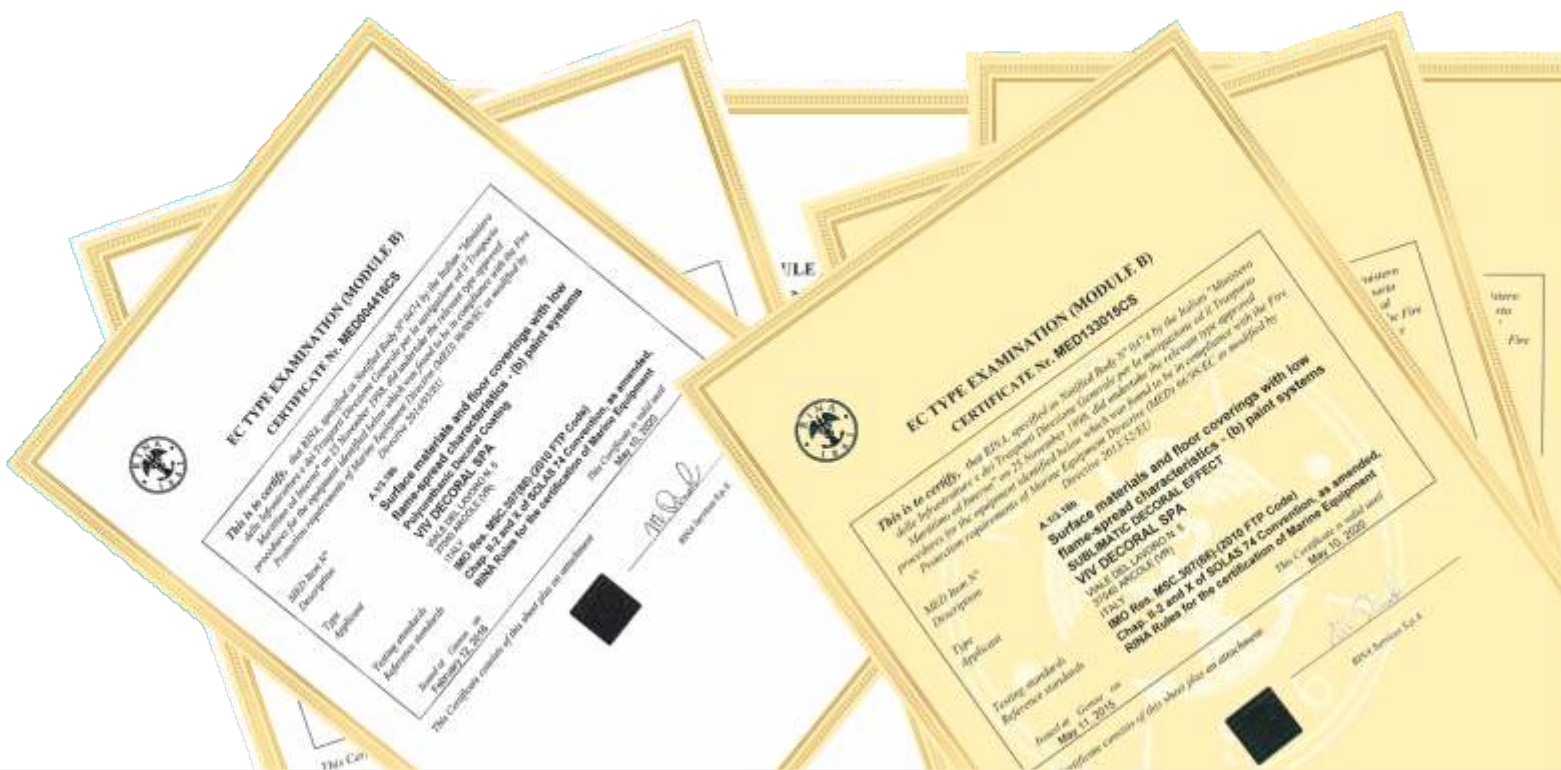


SUBLIMATIC DECORAL® EFFECT

The wood finish Sublimatic Decoral® Effect is obtained through the sublimation process. The production cycle is divided into several steps, including coating with special polyurethane Powders (Decoral System polyurethane powder coating) and heat transfer, which requires sublimation Films (Decoral System heat transfer films). Such Films are a faithful reproduction of real wood, showing flames, knots, light and dark areas.

The raw materials used for manufacturing Powders and Films are produced in accordance with the standards set by Qualideco international specification. Licences are as follows:

- Decoral System polyurethane powder coating, produced under Qualideco Powder Supplier PS-001 licence
- Decoral System heat transfer PET film, produced under Qualideco Film Supplier FS-001 licence





Costa Diadema (Spencer Contract - High Quality Interiors)



Sublimatic Decoral Effect



Finishing:
Teak 451-203R



Restorantship in Moscow



Sublimatic Decoral Effect



Finishing:
Copper 523/222R



Yachts interior



Sublimatic Decoral Effect



Finishing:
Ulivo 592/154



Royal Princess (Spencer Contract - High Quality Interiors)



Sublimatic Decoral Effect



Finishing:
Wengé 462/206R

VivDecoral®

VivDecoral Roma® VivDecoral Piemonte® Decoral Friuli® VivDecoral Verona



Verniciatura Industriale Veneta s.p.a.

ALUMINIUM TREATMENT is our job, our passion, our experience.

In 1973, the founding partners combined their previous experiences creating the first company for aluminium anodizing. After 10 years, they founded another company, specialized in coating.

In 1993, after several tests, they got the patent for wood and marble decoration on bars and plates. Since 1995, this brand new idea has been implemented at industry level, making the company a worldwide leader.

The companies of the group thus developed the Decoral® process and got specialized in manufacturing the relevant raw materials, namely polyurethane powder and films for sublimation. All technological improvements, constantly made, are certified by the QUALITYDECORAL® brand. Since then, Decoral® System has evolved greatly.

Over the years, it has gained the trust of its users, relying on constant progress, high quality standards and great care for customers.



Decoral System® produces and sells polyurethane coating Powders and heat transfer Films. Combining them, it is possible to obtain a huge number of patterns.

All Decoral® System raw materials undergo a large number of strict and selective quality checks that ensure consistent quality, which is typical of the finished products manufactured by Decoral®.



RAW MATERIALS
DURABLE & WEATHER RESISTANT

WWW.DECORAL-SYSTEM.COM





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