



GTO
ALUMINUM
MANUFACTURING

SUBLIMATION



- The sublimation or transfer technology consists of transferring an image previously printed on a specific film, to the aluminum profiles.
- Powder paints used as sublimation bases can be formulated with polyester or polyurethane resins.
- They must have both the ability to resist the sublimation temperature (190-200 °C) and to adequately absorb the inks transferred by the film.

Types

Matte, glossy, semi-glossy, smooth and textured





1. BASE APPLICATION

The first step in the process is the base application the profiles to give them a colored base. The purpose in this is to create the right base tone in order to imitate the desired type of wood or the color of the thermo-print finish that is required.

Electrostatic paint is applied to the surface of the aluminum. The paints used are polyester or polyurethane resins. These finishes are highly resistant to UV rays, atmospheric agents and corrosion.

2. BAGGED

The ends of the profiles are protected with tape and placed in plastic film bags. These bags already have the wood pattern or the established design printed on them using dyes.

3. EMPTY

Air is extracted from the bags through nozzles located at the ends of the bags, creating a vacuum. The profiles are revised so that the casing adjusts to the geometry of the profile, eliminating the occluded air.

4. SUBLIMATION

The profiles are introduced into an oven that is at a temperature between 190 and 220°C. This is where the sublimation effect on the aluminum occurs, passing the ink in the bag from a solid state to a gaseous state. After a few minutes, the coloring is transferred to the profile.

5. WITHDRAWAL OF THE FILM

Air is introduced to the profiles in the bags so that the film can be removed, cooling them at the same time.

WHITE OAK



• DESIGN: 99052

NATURAL



• DESIGN: 99230

BIRCH



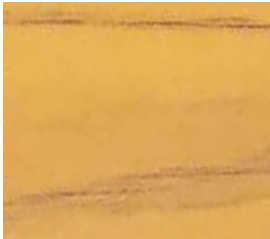
• DESIGN: 93086

GREY



• DESIGN: 93081

PINE



DESIGN: 99044

ESPRESSO



DESIGN: 99212

TEAK



DESIGN: 93081

MAPLE



• DESIGN: 99107

CHESTNUT



• DESIGN: 93025

SEDONA



DESIGN: 99292

RED OAK



• DESIGN: 99119

SPICE BROWN



• DESIGN: 99405

PALOMINO



• **DESIGN:** 99018

OAK



• **DESIGN:** 99293

COCOA



• **DESIGN:** 99286

MANCHESTER



• **DESIGN:** 99229

BRIARWOOD



DESIGN: 99307

CHERRY MAHOGANY



• **DESIGN:** 93068

ROYAL



• **DESIGN:** 93219

DESIGN: 99052



COLOR: WHITE OAK

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 99230



COLOR: NATURAL

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 93086



COLOR: BIRCH

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 93081



COLOR: GREY

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 99044



COLOR: PINE

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 93081

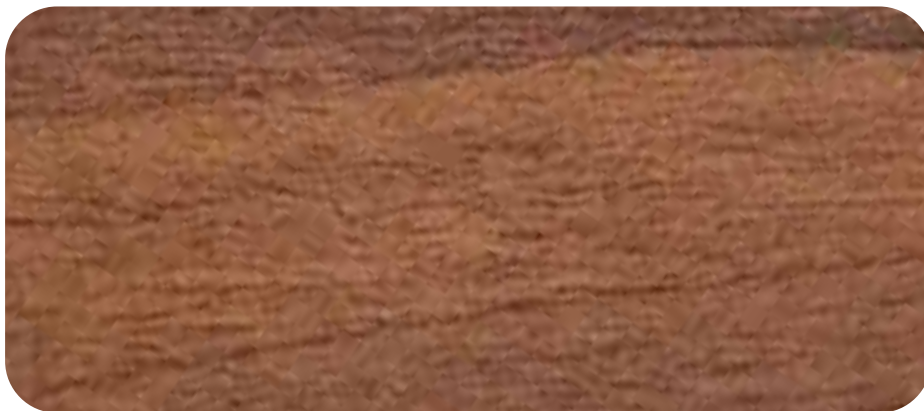


COLOR: TEAK

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 99212



COLOR: ESPRESSO

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 99107



COLOR: MAPLE

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 93025



COLOR: CHESTNUT

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 99292



COLOR: SEDONA

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 99119



COLOR: RED OAK

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 99293



COLOR: SPICE BROWN

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 99018



COLOR: MANCHESTER

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 99405



COLOR: PALOMINO

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 99229



COLOR: OAK

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 99286



COLOR: COCOA

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 99286



COLOR: BRIARWOOD

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 93068



COLOR: CHERRY MAHOGANY

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

It is possible to achieve finishes such as: wood, marble, granite and decorative effects; preserving the properties, guarantee and durability of aluminum.

DESIGN: 93219



COLOR: ROYAL

With the sublimation process there are infinite aesthetic possibilities to customize aluminum profiles on doors and windows.

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