

ZINCACOLOR

PRE-PAINTED STEEL
COIL, SHEET OR STRIP



VILLACERO

TUDO EN ACERO

ZINCACOLOR

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Due to its quality, it is the ideal material for a wide variety of uses, we have a continuous process with a convection oven, and a laboratory with the best specialized measurement equipment on the market, both for color (Konica-Minolta) and for dry paint layer thicknesses (DJH) and chrome layer in the pretreatment (Portaspec), in addition to all the physical tests necessary to ensure compliance with the requirements of our customers.

CHARACTERISTICS

- Excellent flexibility
- Resistance to corrosion.
- Resistance to discoloration.
- Can have embossed finish.
- 16 gauge in 914 mm (3 feet) and gauges from 18 to 32 in widths of 914 mm (36 ") and 1219 mm (48").
- With steel designation (commercial, structural and forming) and zinc layer (G40, G60).
- With different paint systems, in standard colors or custom colors.
- Durability before the attack of the most common chemicals.

USES AND APPLICATIONS

- Manufacture of doors.
- Industrial facades.
- Residential and commercial.
- Metallic tiles.
- Appliances assembly.
- Air conditioners
- Mezzanine systems
- Ceilings and walls
- Conduits and supports
- Metal curtains

TECHNICAL INFORMATION

Continuous painting process in convection oven.

ENTRY	The input accumulator, without stopping the oven procedure, staples one roll to another giving continuity to the process.
WASHER	The necessary cleaning is obtained to achieve an optimal adhesion. Eliminates the antioxidant or rolling oil that comes with the steel sheet, which allows to process a variety of materials regardless of the degree of cleanliness.
CHEMICAL TREATMENT	Chrome is applied with roll-coaters to form a uniform layer with good anchoring, which allows the primary paint to adhere to the chemical treatment layer.
PAINTER	It is used for the primary paint coat and for the finish coat. The first allows sufficient flexibility in subsequent processes of the sheet, in addition to helping to contain moisture, chemicals and salt from the environment, extending the life of the sheet. The finishing paint coat has excellent adhesion to the first coat of paint and allows the final appearance to be given to the sheet with the color that the customer requires, as well as the characteristics defined for the different applications of the final product.
CONVECTION OVEN	It consists of three sections to maintain and control different internal temperatures, thus achieving a controlled heating curve to cure the paint at the metal temperature defined by the paint supplier. Likewise, with its high-efficiency incinerator, it protects the environment from solvents. Once the paint is baked and cooled, material is re-coiled, depending on the customer's specifications.
EXIT	The painted material can be embossed just before forming the coil, or, that a layer of polyethylene (plastic) is applied to protect it in subsequent processes, in case the client specifies it.



Product Propieties

COATING SYSTEM				
CHARACTERISTICS	POLYESTER	SILICONIZED POLYESTER	FLUOROCARBON	HIGH BUILD
PRIMARY LAYER THICKNESS (mils)	0.2 - 0.3	0.2 - 0.3	0.2 - 0.3	0.7 - 0.8
FINISHED LAYER THICKNESS (mils)	0.7 - 0.8	0.7 - 0.8	0.7 - 0.8	0.7 - 0.8
BRIGHTNESS TO 60 o	25-35	25-35	25-35	25-35
IMPACT (lb / ft ²)	100	100	100	100
FLEXION	2 T	2 T	2 T	2 T
CURED (MEK)	.+100	100	100	100
ADVANTAGE	Economic coating for all purposes, in black steel for interiors and galvanized for exteriors.	It offers superior properties in caleo and resistance to discoloration, excellent flexibility and resistance to most common chemicals.	Excellent in properties of caleo and resistance to discoloration, in addition to good flexibility in manufacturing.	High resistance to the attack of industrial chemicals and air pollutants, offers excellent flexibility and is excellent for manufacturing industrial facades.
STANDARD COLORS	SAND STANDARD	SAND STANDARD	SAND STANDARD	SAND STANDARD
	WHITE STANDARD	WHITE STANDARD	WHITE STANDARD	WHITE STANDARD
	BLUE STANDARD	BLUE STANDARD	BLUE STANDARD	BLUE STANDARD
	GRAY STANDARD	GRAY STANDARD	GRAY STANDARD	GRAY STANDARD
	RED JANITZIO	RED JANITZIO	RED JANITZIO	RED JANITZIO
	GREEN TILE	GREEN TILE	GREEN TILE	GREEN TILE
STANDARD BACKGROUND COLOR	GRAY			

For other developments, contact your sales representative to check feasibility.

Note: in the metallic colors the finishing layer is 0.65 - 0.75.

The range of available colors extends to the entire visible spectrum



Painting line capacity

	WIDTHS		THICKNESS	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
GALVANIZED	24"(600 mm)	24"(600 mm)	24"(600 mm)	24"(600 mm)
GALVALUM	24"(600 mm)	24"(600 mm)	24"(600 mm)	24"(600 mm)
COLD ROLLED STEEL ANNEAL	24"(600 mm)	24"(600 mm)	24"(600 mm)	24"(600 mm)

COIL WEIGHT	3 TM MIN. / 10 TM MAX.
INTERNAL DIAMETER	20"
EXTERNAL DIAMETER	55" MAX.
LINE SPEED	55 M / MIN.
OVENS LENGTH	22.86 M.
EMBOSSING TYPE	STUCCO OR SKIN
POLYETHYLENE	YES

Reference Table

COATINGS	ENVIRONMENT					
	CHEMICAL CORROSIVE	MARINE SEVERE	MODERATE MARINE	INDUSTRIAL SEVERE	INDUSTRIAL MODERATE	RURAL
Standard polyester	xxx	xxx	xxx	xxx	x	x
Siliconized Polyester	xxx	xxx	xxx	xxx	x	x
High Build	xx	xx	x	x	x	x
Fluorocarbon	x	x	x	x	x	x

Nomenclature: x apply xx requires review draft xxx does not apply

Characteristics of the environment

CHEMICAL CORROSIVE	MARITIME SEVERE	MODERATE MARITIME	SEVERE INDUSTRIAL	MODERATE INDUSTRIAL	RURAL
<ul style="list-style-type: none"> • Oil refineries • Paper mills • Chemical plants • Mines • Benefit of metals 	<ul style="list-style-type: none"> • High humidity (85% - 100%) • High temperature (36 - 46°C) • Abrasion of sand • Long rain season 	<ul style="list-style-type: none"> • Mild weather • Relative humidity Average (50 - 70%) • Average temperature (10 - 35°C) • Short periods of rain 	<ul style="list-style-type: none"> • Steel mills • Electricity generating plants • Areas with hydrocarbon emanations • Areas with high contamination 	<ul style="list-style-type: none"> • Maquiladoras • Generation of vapors or gases of low level of contamination 	<ul style="list-style-type: none"> • Clear skies free of pollution • Agricultural fields



PROCESSES CERTIFIED
UNDER ISO 9001: 2015 STANDARD
FM 35435



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