Thecnical sheets

1. PLASTIC WOOD BOARDS

Sustainable development. Extrusion of recycled and recyclable plastics of post-consumer origin.

Characteristics:
Long service life, high impact resistance, does not splinter, does not require maintenance, 100% ecological, hygienic,
does not nest microorganisms, weather resistance, non-toxic

Technical specifications
1.- Raw Material:
Recycled High Density Polyethylene

2.- Physical properties of the Polyethylene compound:
a) Flow Index 0.35 g / 10 min. (ASTM D - 1238)
b) Density 0.956 g / cm3 (ASTM D - 1505)
c) Tensile Strength (yield) 34.3 Mpa (ASTM D - 638)
d) Tensile Strength (rupture) 15 Mpa (ASTM D - 638)
e) Elongation at break> 500% (ASTM D - 638)
f) Izod impact 125 J / m (ASTM D - 256)
g) Flexural Modulus 50.4 Mpa (ASTM D - 790)
h) Young's modulus 27.9 Mpa (ASTM D - 790)
i) Environmental Resistance (ESCR) F50 condition C> 200 h (ASTM D - 1693)
j) Shore hardness 62 Type D (ASTM D - 1706)
k) Vicat Softening Temperature 125 ° C (ASTM D - 1525)
l) Melting temperature 130 ° C (ASTM E - 794)

2. STEEL

Tubular Profiles are cold formed, electrically welded by high frequency.

The Tubular Profiles are a National and Export Product manufactured under the ASTM A500 (Grade A and Grade B) and ASTM A513 standards and with the certification of their system and processes under the ISO9001: 2008 standard.

ASTMA500
This specification covers seamless, electro-welded, cold-formed carbon steel structural tubes of circular, square, rectangular, or other special forms, used for electro-welded, riveted, or bolted construction of bridges and buildings, and for applications general in structures.

ASTMA513
This specification covers round, square, rectangular shape and special shape pipe; Electric resistance welding of carbon and alloy steel tubes for use as mechanical tubing made of hot or cold steel.

ISO 9001
BUREAU VERITAS
Certification

HOT ROLLED SHEET PICKLED AND NOT PICKLED
Business Grades: SAE 1008, A36
Steel grade: Commercial grade, deep and extra deep die cut (ASTM A-1008).

Thecnical sheets

3. ELECTRO STATIC PAINT

Its main features: Durable, resistant to corrosion, shock and impact, chemical damage, abrasion and scratches

Application systems:
1. Plascoat® PPA571

Long-lasting protection against corrosion Plascoat® PPA 571 is available with Class R 12 slip resistance in accordance with DIN 5 1130

Plascoat® PPA 571 is a thermoplastic powder coating formulated to protect metals.

2. ABCITE®
Monolayer for harsh environments

3. Alesta® AP Fine Textured
Excellent mechanical resistance and resistance to atmospheric agents

Alesta® AP products comply with Qualicoat and GSB standards and are also backed by a 15-year warranty subject to certain conditions.

4. Alesta® SD SuperDurable

Durability in harsh environments The Alesta® SD range guarantees durability in environments with extreme conditions (high humidity and / or temperature).

Avoiding loss of brightness and color change due to exposure to the Sun and rain.

Alesta® SD is guaranteed to last up to 25 years (subject to certain conditions).

All products have obtained the Class 2 quality labels of Qualicoat and GSB Florida3 (Master) and, in addition, comply with the requirements of the AAMA 2604 Specification, which guarantees the highest degree of protection when using Alesta® SD.

Ral color chart

4. POLYCARBONATE

• Cellular polycarbonate sheet, designed for roofing and cladding; its objective is to generate all kinds of lightweight structures. It has a protective plastic film.

COLOR	% de transmisión de luz
Cristal	80%
Bronce	42%
Opalino	32%
Azul	30%
Gris Humo	42%
Gris	30%

Thecnical sheets

• Solid polycarbonate

Its main features:
High resistance to impact.
Lighter than glass of the same thickness.
Self-extinguishing material.
High flexibility and thermoforming capacity.
Ideal for both internal and external glazing applications

acristalamiento tanto interno como externo

PROPIEDADES MECÁNICAS	NORMAS ASTM	UNIDADES	VALOR
Impacto de caída de peso	ISO 6603/1ES0	Lb-pie	117
Modulo de tensión	D638	Kg/cm^2	660
Elongación al límite	D638	%	6
Resistencia a la tensión al romperse	D638	Kg/cm^2	620
Elongación a la rotura	D638	%	>90
Resistencia a la flexión	D790	Kg/cm^2	1,020
Modulo de flexión	D790	Kg/cm^2	2,672
Modulo elasticidad de tensión	D638	Kg/cm^2	20,390
Dureza Rockwell	D785	Estala R	125 R
Dureza a compresión	D695-10	Mpa	73.6

PROPIEDADES ÓPTICAS	NORMAS ASTM	UNIDADES	VALOR
Transmisión de luz	D1003	%	89
Índice de refracción	D1003	Wi	<1

Advanced extrusion technology
UV protection on both sides

5. PLASTIC COMPOUNDS
Resins
Polylite® 33172-00 Orthophthalic Polyester Resin

Polylite® 33172-00 is a rigid, thixotropic, medium reactivity, low viscosity orthophthalic polyester resin. This resin is pre accelerated, geled and cured at room temperature with the addition of 50% Methyl Ethyl Ketone Peroxide.

FIBERGLASS
CUT THREAD FIBERGLASS MAT CM-220 CM-220
The CM-220 mat is held together with a small amount of highly soluble polyester binder and is designed to be compatible with multiple resin systems, the fibers are multidirectionally oriented in a single plane.