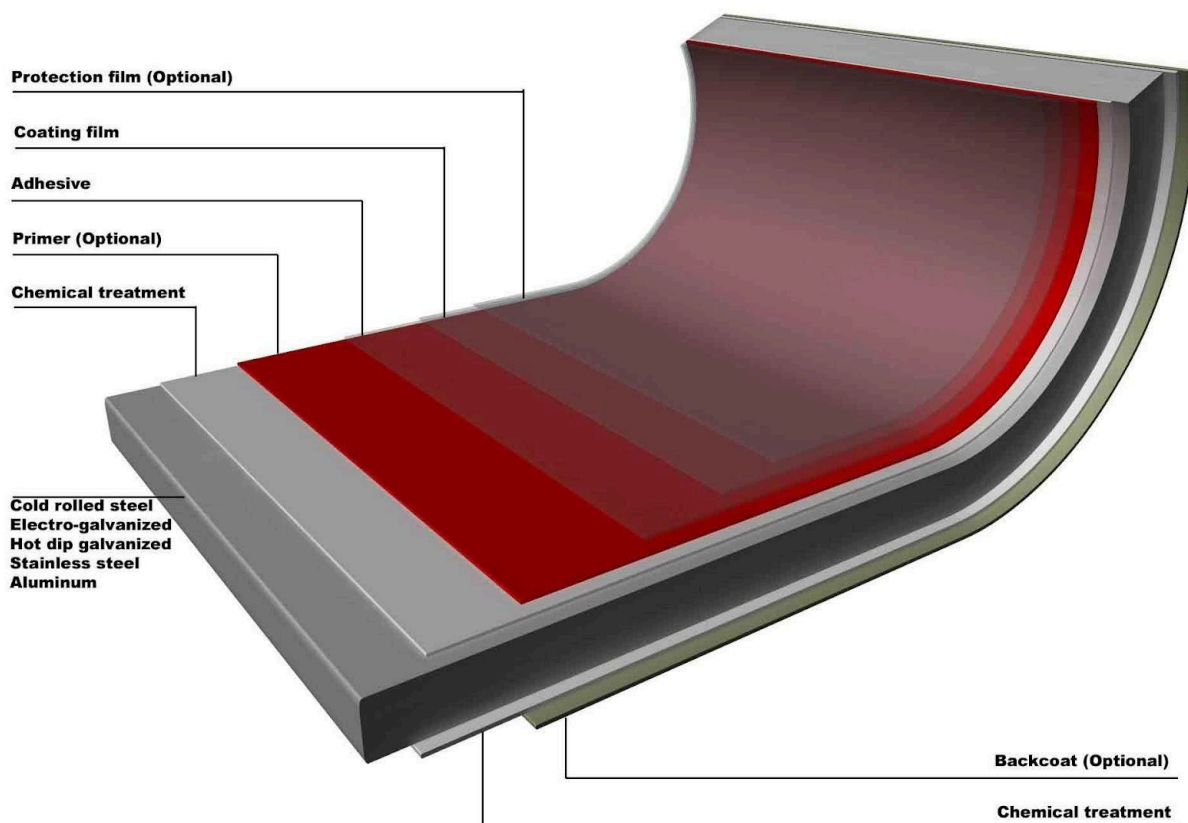




PLACOLOR - Product family fact sheet

1. Product structure

Product structure graphic diagram





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Product description

Hot laminated sheet with a film coating (standard support – electro-galvanized steel DC01 + Zn quality - referenced norm UNI EN 10152). The film is available in various colors (solids) and a wide range of printed decorations are also available for special applications (for example: faux wood, marble, etc.). The superficial appearance of the product depends on the type of embossing used for the applied film.

Other types of available supports

Cold rolled steel – Referenced norm UNI EN 10130
Hot dip galvanized steel – Referenced norm UNI EN 10327
Stainless steel – Referenced norm UNI EN 10088
Aluminum – Referenced norm UNI EN 485-2

Applications

Thanks to the vast range of available finishes, the PLACOLOR family of products is widely used in the following industrial sectors:

- Scaffolding
- Refrigerators
- Air conditioning
- Home appliances
- Interior furnishings (Doors, sectional walls, etc.)
- Naval furnishings
- Sectional security doors/sliding locked doors



2. Product technical characteristics:

The values of the technical characteristics below are the results of tests performed on the product with a standard support and coating.

Upper surface stratigraphy and properties

Chemical cleaning treatment and passivation
Primer layer - 5-8 depth (Optional)
Thermal hardening treatment - 4 – 8 μm depth
Coating film – 12-200 μm depth
Possible removable protective transparent film - 30-60 μm depth

Technical features	Referenced Norm	Min.	Max	Notes
Drawing adhesion	UNI EN 13523-6	80 %	100 %	
Impact adhesion	UNI EN 13523-5	No detachment is noted		
Shine	UNI EN 13523-2	5	>100	(Gloss) – light incidence angle 60°
Color (solid)	UNI EN 13523-3	ΔE max. = 1.5		
Color (decorated)	Visual comparison			
Saline fog resistance	UNI EN 13523-8	0	2	mm of penetration after 200 h
Resistance to humidity (95% humidity/38 °C)	UNI EN 13523-23	No variation (500 h)		
Resistance to stains	UNI EN 13523-18	Depends on applied film		
Resistance to MEK	UNI EN 13523-11	Depends on applied film		
TB Adhesion	UNI EN 13523-7	0T	0T	
Cracking TB	UNI EN 13523-7	0T	0T	

Lower surface stratigraphy and properties

Chemical cleaning treatment and passivation
Foaming protective primer - 5-8 μm depth

Technical features	Referenced Norm	Min.	Max	Notes
Drawing adhesion	UNI EN 13523-6	80 %	100 %	
Resistance to MEK	UNI EN 13523-11	10	50	Double strike
Foamability	Excellent			

Note: It is possible to have a pre-painted lower surface finish upon request.



3. Handling

Transport

Transport must take place in conditions that can guarantee protection of the material from humidity and condensation. The placement of the materials in vehicles must guarantee protection from blows, abrasions and tipping over.

Storage

In general, laminated products must be kept away from humidity, rain and any risks of condensation, as is true for the original metallic support material. For this reason, storage facilities must be covered and if possible, ventilated with constant temperatures.

The products must not come into sporadic contact with or be exposed to corrosive agents, such as solvents or other chemical products which could cause damage.

Processing

Material suitable for processing with pressing/bending, punching and profiling processes.

For correct processing, it is fundamental to perform periodic and thorough cleaning of the equipment and the surfaces that come into contact with the product.

It is recommended to keep the material at a temperature which is not below 18° C during the working cycle.

4. Maintenance

Cleaning

Cleaning can be executed using normal water, or if this is not sufficient, using a soft cloth dampened with a neutral or slightly alkaline detergent and water solution. This should be followed by rinsing and drying the surface carefully.

Touch-ups and refinishing

In the case of damage to small areas of the superficial layer, it is recommended to sand the affected area, clean it thoroughly and then paint it with a two-part enamel.

Note: In regards to the operations described in Section 4.1, avoid using solvents or abrasive substances.



5. Production Range

Cold laminated Electro zinc coated/ Hot pressed zinc coated		Depth(mm)											
		0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	2.0	2.5
Width: (mm)	700/800	●	●	●	●	●	●	●	●	●	●	●	
	800/900	●	●	●	●	●	●	●	●	●	●	●	
	900/1000	●	●	●	●	●	●	●	●	●	●	●	
	1000/1100	●	●	●	●	●	●	●	●	●	●	●	
	1100/1200	●	●	●	●	●	●	●	●	●	●	●	
	1200/1300	●	●	●	●	●	●	●	●	●	●	●	
	1300/1400		●	●	●	●	●	●	●	●	●		
	1400/1500		●	●	●	●	●	●	●	●	●		
Stainless steel		Depth (mm)											
		0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	2.0	2.5
Width (mm)	700/800		●	●	●	●	●	●	●	●	●		
	800/900		●	●	●	●	●	●	●	●	●		
	900/1000		●	●	●	●	●	●	●	●	●		
	1000/1100		●	●	●	●	●	●	●	●	●		
	1100/1200		●	●	●	●	●	●	●	●	●		
	1200/1300		●	●	●	●	●	●	●	●	●		
	1300/1400					●	●	●	●	●			
	1400/1500					●							
Aluminum		Depth (mm)											
		0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	2.0	2.5
Width (mm)	700/800			●	●	●	●	●	●	●	●	●	●
	800/900			●	●	●	●	●	●	●	●	●	●
	900/1000		●	●	●	●	●	●	●	●	●	●	●
	1000/1100		●	●	●	●	●	●	●	●	●	●	●
	1100/1200		●	●	●	●	●	●	●	●	●	●	●
	1200/1300		●	●	●	●	●	●	●	●	●	●	●
	1300/1400		●	●	●	●	●	●	●	●	●	●	●
	1400/1500		●	●	●	●	●	●	●	●	●	●	●