

NORAPLATE

High value added coatings

The perfect trim
for each edge



REPLASA

FINISHED METALS COATING YOUR INNOVATIONS

General Characteristics

Noraplate is a high-gloss black paint film, decorative and developed for automotive components (trims) made on stainless steel or aluminium.

They offer a premium visual quality and withstand thermoforming operations. These films offer strong resistance to ultraviolet exposure, maintaining colour depth and surface brilliance over time.

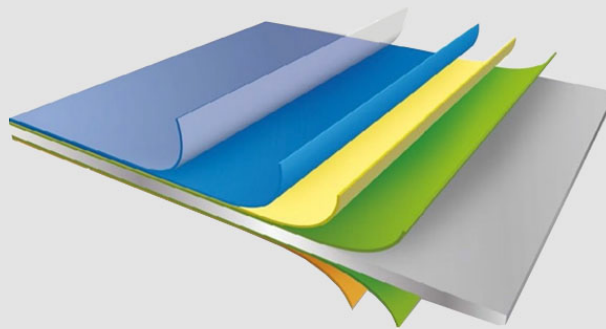
General Properties

- The outer layer resists mechanical wear, light scratching and typical automotive fluids.
- It is the perfect combination between aesthetic performance, durability and industrial robustness for automotive applications.

NORAPLATE

Composition

- Protective film 1.96 - 2.95 mils (optional)
- Film thickness 1.10-1.96 (± 0.078) mils
- Adhesive layer 0.59 (± 0.19) mils dry
- Chemical treatment
- Metallic base
 - Stainless steel according to EN10088
 - Aluminium according to EN485
- Chemical treatment
- Back side primer: 0.19-0.39 mils dry (optional)



Product behaviour

Description	Standard	Test	Unit	Result	Observations
Total coating thickness	EN 13523-1	ASTM D1005	mils	1.50-2.75	Film + adhesive
Specular Gloss (Gardner 60°) *	EN 13523-2	ASTM D523	%	90(± 5)	Glossy
Visual comparison	EN 13523-3	ASTM E1347	-	Pass	
Pencil hardness	EN 13523-4	ASTM D3363	scale	F	
Cross-cut test	EN ISO 2409	ASTM D3359	scale	0-1	Pass
Cupping test -normal -with scribe	EN-13523-6	ASTM E643	inch	Pass	Cupping 0.31
T Bend test	EN-13523-7	ASTM D522	-	0,5-1T	No whitening, no cracking
Resistance to salt spray	EN 13523-8	ASTM B117	hours	>500	Pass
Taber abrasion (CS 10, 500 g) After humidity	UNE 48250	ASTM 4060	cycles	750	No metal affected slight coating affect
Resistance to accelerated Xenotest ageing test	EN 13523-10	ASTM D6695	hours	> 5000	No visual changes, no change on gloss
Humidity test	EN 6270-2	ASTM D2247	hours	240	Pass
Heat cycle-80°C/15 days	N/A	-	days	Pass	No visual change
Chemical resistance after 24 hours(sulfuric acid, sodium hydroxide and sodium chloride)	N/A (internal)	0.1N H ₂ SO ₄ 0.1N NaOH 3% NaCl	hours	Pass	No discoloration
Commercial cleaning agents (inmersion) – Car Shampoo (24h) – Windows cleaner (1 h) – Polish wax (10 min)			hours	Pass	No changes on surface

Our registered trademarks

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