

# NORAPLATE

High value added coatings

The perfect trim  
for each edge



**Replasa**  
Advanced Materials

*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.

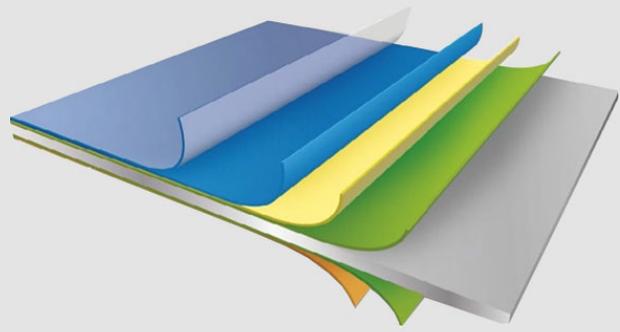
## General Properties

- 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 50-75  $\mu$  (optional)
- Film thickness 28-50 ( $\pm 2$ )  $\mu$
- Adhesive layer 15 ( $\pm 5$ )  $\mu$
- Chemical treatment
- Metallic base
  - Stainless steel according to EN10088
  - Aluminium according to EN485
- Chemical treatment
- Back side primer: 5 -10  $\mu$  (optional)



## Product behaviour

Description	Standard	Test	Unit	Result	Observations
<b>Total coating thickness</b>	EN 13523-1	ASTM D1005	$\mu$	38-70 $\mu$	Film + adhesive
<b>Specular Gloss (Gardner 60°) *</b>	EN 13523-2	ASTM D523	%	90( $\pm 5$ )	Glossy
<b>Visual comparison</b>	EN 13523-3	ASTM E1347	-	Pass	
<b>Pencil hardness</b>	EN 13523-4	ASTM D3363	scale	F	
<b>Cross-cut test</b>	EN ISO 2409	ASTM D3359	scale	0-1	Pass
<b>Cupping test -normal -with scribe</b>	EN-13523-6	ASTM E643	mm	Pass	Cupping 8 mm
<b>T Bend test</b>	EN-13523-7	ASTM D522	-	0,5-1T	No whitening, no cracking
<b>Resistance to salt spray</b>	EN 13523-8	ASTM B117	hours	>500	Pass
<b>Taber abrasion (CS 10, 500 g) After humidity</b>	UNE 48250	ASTM 4060	cycles	750	No metal affected slight coating affect
<b>Resistance to accelerated Xenotest ageing test</b>	EN 13523-10	ASTM D6695	hours	> 5000	No visual changes, no change on gloss
<b>Humidity test</b>	EN 6270-2	ASTM D2247	hours	240	Pass
<b>Heat cycle-80°C/15 days</b>	N/A	-	days	Pass	No visual change
<b>Chemical resistance after 24 hours(sulfuric acid, sodium hydroxide and sodium chloride)</b>	N/A (internal)	0.1N H <sub>2</sub> SO <sub>4</sub> 0.1N NaOH 3% NaCl	hours	Pass	No discoloration
<b>Commercial cleaning agents (inmersion) – Car Shampoo (24h) – Windows cleaner (1 h) – Polish wax (10 min)</b>			hours	Pass	No changes on surface

### Our registered trademarks

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