

ENDURAPLATE

High value added coatings

Protection, durability,
and sustainability
in every building



REPLASA
FINISHED METALS COATING YOUR INNOVATIONS

General Characteristics

Product based on steel or aluminum covered with Tedlar® PVF film that provides long durability outdoors and aesthetic protection, especially suitable for application in architecture and extreme climates.

Tedlar® PVF film is an inert and non-reactive material, with more than 50 years of proven durability, which represents savings in structural maintenance costs in buildings.

PFAS free film, which makes it an excellent environmental option compared to other paint solutions.

General Properties

- Resistant to chemicals (acids, bases and solvents).
- Stain resistant.
- High mechanical resistance.
- High elongation and excellent flexibility in bending without cracks.
- UV and climatic stability with a guarantee of more than 30 years.
- Anti-graffiti.
- Outdoor use.
- Easy clean and good maintenance.

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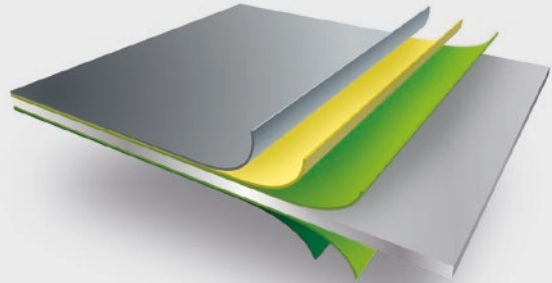
Tedlar®

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Composition

- Tedlar® PVF film 10-38 µ
- Adhesive 7-9 µ
- Chemical treatment
- Metallic substrate
 - Galvanised steel according to EN 10346 standard
 - Aluminium according to EN 485 standard
 - Stainless steel according to EN 10088
- Chemical treatment
- Back primer 5 - 10 µ



Product behaviour

Description	Testing Standard		Unit	Result	Observations
Total coating thickness	EN 13523-1	ASTM D1005	µ	17 - 47	Depending type of film
Specular Gloss (Gardner 60°) *	EN 13523-2	ASTM D523	%	Matt	Some references also in gloss
Pencil hardness	EN 13523-4	ASTM D3363		F - H	
Adherence after Erichsen cupping	EN 13523-6	ASTM E643	mm	6 - 8 mm	On Aluminium -galva respectively
T Bending	EN 13523-7	ASTM 0522		0T	No cracking No whitening
Resistance to salt spray	EN 13523-8	ASTM B117	hours	> 2000	
Resistance to accelerated Xenotest ageing test	EN 13523-10	ASTM 06695	hours	> 7000	No visible changes
Chemical resistant (window cleaner, nitric acid and muriatic acid)	AAMA 2605-13		visual	No attack	After 1 week
Humidity test	AAMA 2605-13	ASTMD 2247	hours	> 1000	A Method
Thermal Cycling	IEC 61215	IEC 61215	cycles	200	-40°C to +85°C No changes observed

* Indicative values

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1600 Golf Road
Rolling Meadows
Illinois 60008
www.replasafinishedmetals.com

