

THERMOPLATE

High value added coatings

The best
professionals
include mold as
part of the recipe



REPLASA
FINISHED METALS COATING YOUR INNOVATIONS

General Characteristics

It provides excellent non-stick behaviour, also adding high durability and scratch resistance.

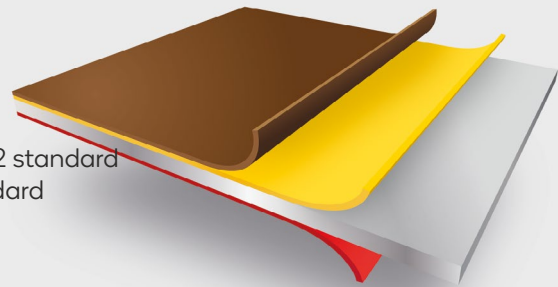
General Properties

- Excellent non-stick behaviour.
- Good resistance to temperature and abrasion.
- Inert to chemical agents.
- Good mechanical forming capacity.
- Food contact certificate according to 2004/1935/EC Directive.

THERMOPLATE

Composition

- PTFE coating base – single layer 6-8 μ
● or double layer 12-16 μ
- Metallic substrate
 - Chromated steel (TFS) according to EN 10202 standard
 - Aluminised steel according to EN 10346 standard
 - Aluminium according to EN 485 standard
- PTFE coating base – single layer 6-8 μ
● or double layer 12-16 μ



Product behaviour

Description	Testing Standard		Unit	Result	Observations
Total coating thickness	EN 13523-1	ASTM D1005	μ	6 - 8	Single layer system
			μ	12 - 16	Double layer system
Specular Gloss * (Gardner 60°)	EN 13523-2	ASTM D523	%	10 - 90 *	Depending on colour and type
Pencil hardness	EN 13523-4	ASTM D3363		> 3H	
Mesh impact	EN 2409	ASTM D3359	mm	OK	Without detachment
Mesh impact after 15 min. and 1 hour in boiling water				OK	Without detachment
T Bending	EN 13523-7	ASTM D522	hours	0 - 0.5T	Without detachment or cracking
Resistance to NMP (N-methyl pyrrolidone)				90 sec	
Abrasion test (RAT)	EN 13523-16	ASTM D4060	cycles	< 4000	
Resistance to temperature	EN 13523-13	ASTM D3045	°C	< 230°C continuous and < 260°C intermittent	

* Nominal value indicated.

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