

# THERMOPLATE

## -PFAS FREE-

High value added coatings

The best  
professionals  
include mold as  
part of the recipe



**Replasa**  
Advanced Materials

*coating your innovations*

## General Characteristics

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

Deliver safety and excellence with REPLASA's high-quality, PFAS-free innovation.

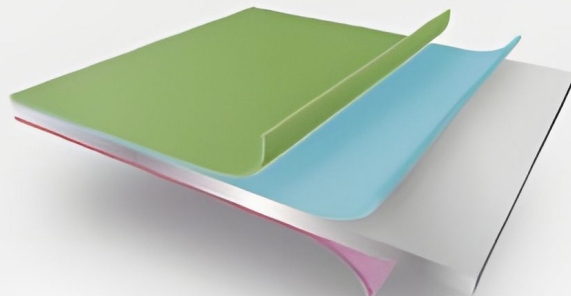
## General Properties

- 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.
- A high-quality, PFAS-free product that meets evolving demands and safeguards consumer safety.

# THERMOPLATE - PFAS FREE-

## Composition

- PFAS Free coating base – single layer 6-8  $\mu$  / 0.24-0.32 Mils.
- or double layer 12-16  $\mu$  / 0.47-0.63 Mils.
- Metallic substrate:
  - Chromated steel (TFS) according to EN 10202 standard.
  - Aluminised steel according to EN 10346 standard.
  - Aluminium according to EN 485 standard.
- PFAS Free coating base – single layer 6-8  $\mu$  / 0.24-0.32 Mils.  
or double layer 12-16  $\mu$  / 0.47-0.63 Mils.



## Product behaviour

Description	Testing Standard		Unit	Result	Observations	
<b>Total coating thickness</b>	EN 13523-1	ASTM D1005	$\mu$	6 - 8	Single layer system	
			Mils	0.24-0.32		
				$\mu$	12 - 16	Double layer system
				Mils	0.47-0.63	
<b>Specular Gloss * (Gardner 60°)</b>	EN 13523-2	ASTM D523	%	10 - 90 *	Depending on colour and type	
<b>Pencil hardness</b>	EN 13523-4	ASTM D3363		> 3H		
<b>Mesh impact</b>	EN 2409	ASTM D3359		OK	Without detachment	
<b>Mesh impact after 15 min. and 1 hour in boiling water</b>				Class 0	Without detachment	
				5B		
<b>T Bending</b>	EN 13523-7	ASTM D522		0 - 0.5T	Without detachment or cracking	
<b>Resistance to NMP (N-methyl pyrrolidone)</b>				90 sec		
<b>Abrasion test (RAT)</b>	EN 13523-16	ASTM D4060	cycles	< 4000		
<b>Resistance to temperature</b>	EN 13523-13	ASTM D3045	C°	<230C° continuous and <260C° intermittent		
			°F	<446°F continuous and <500°F intermittent		

\* Nominal value indicated.

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