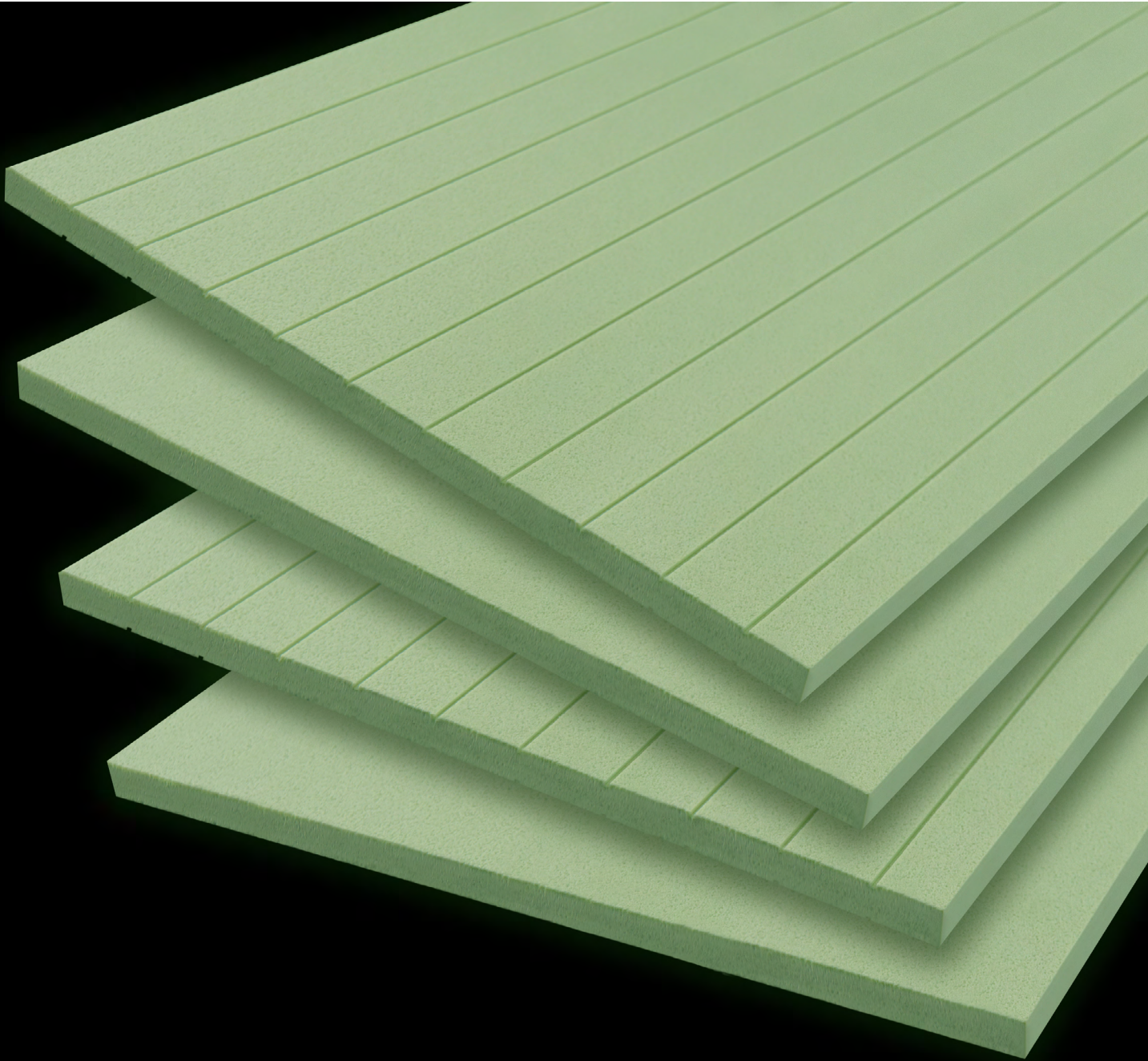




THERMOPLASTIKI
www.thermoplastiki.gr



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Panel / P

EXTRUDED POLYSTYRENE FOR INDUSTRIAL APPLICATIONS



novablok panel

EXTRUDED POLYSTYRENE FOR INDUSTRIAL APPLICATIONS

Thermoplastiki started its journey in the field of thermal insulation products back in 2009, in an area of 10,000m², featuring state-of-the-art equipment that is continuously developing, and with the creation of specialized expanded and extruded polystyrene products, named feliblok and novablok respectively.

Continuous investment in equipment and research in the field have paved the way for the addition of more thermal insulation products, covering both domestic and industrial needs, with the addition and the creation of the novablok panel product, which can be used in panel production.

novablok panel is the innovative proposal of Thermoplastiki on extruded polystyrene insulation products for professional-industrial use in multilayer press applications. Thus, when it comes to both thermal insulation and industrial thermal insulation products, the name of Thermoplastiki is a guarantee of reliability and performance bearing as a synonym 4 key features:



Top thermal insulation



Dimensional stability

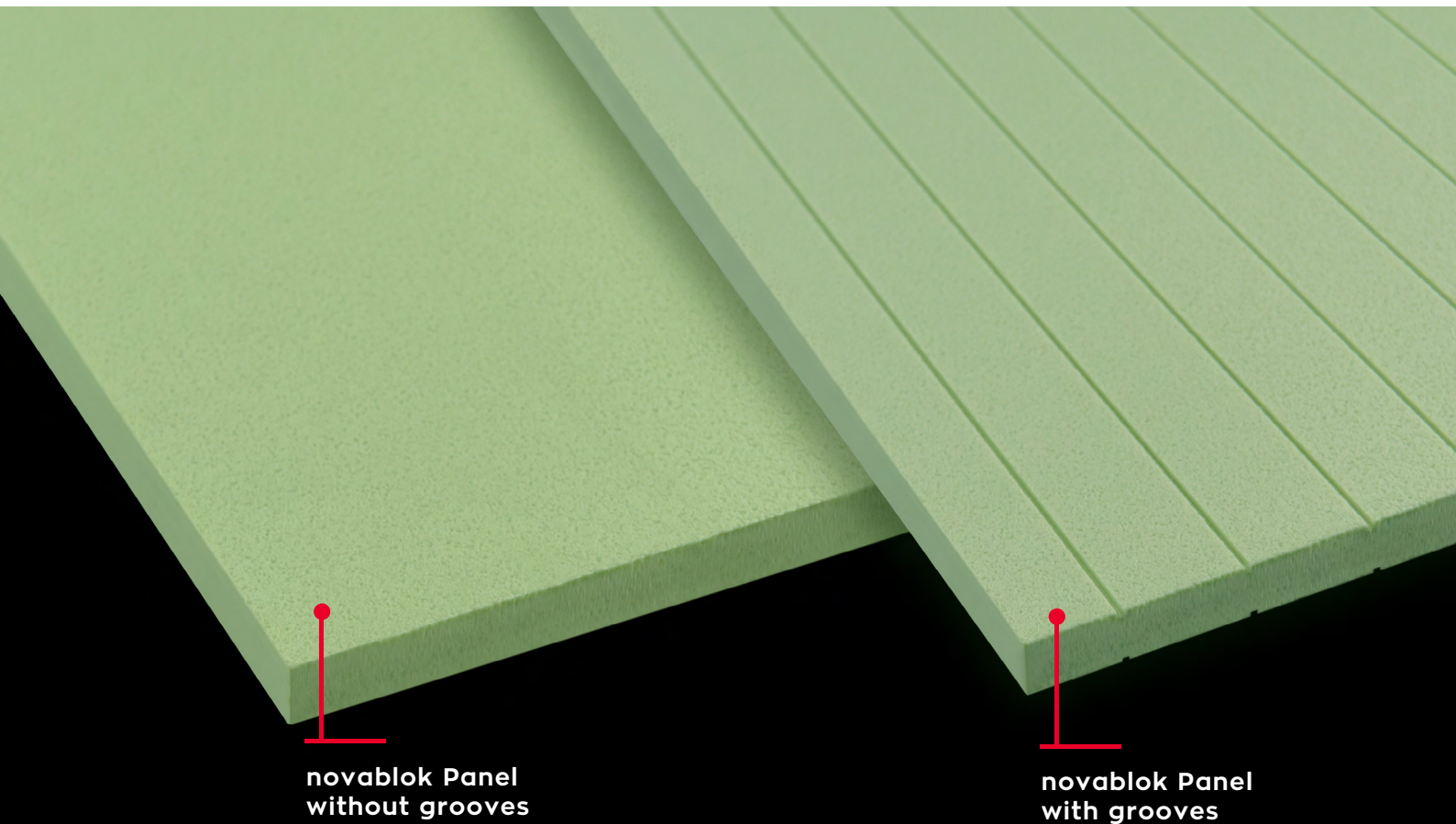


Configuration flexibility



Ecological identity





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Panel / P

novablok panel is a specialised product for industrial multilayer applications, with a wide range of capacities. Thanks to its excellent properties, it is the ideal choice as the main means of thermal insulation and energy shielding in multilayer configurations. The specialised manufacturing process of novablok panels is characterised by high accuracy in the dimension of the product in terms of length, width and thickness.

In addition, its surface shaping is the key to its excellent integration into finished multilayer panel products, ensuring both the perfect manufacturing application and the perfect application of its properties.





EXCELLENT PROPERTIES



Top thermal insulation

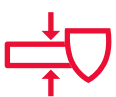
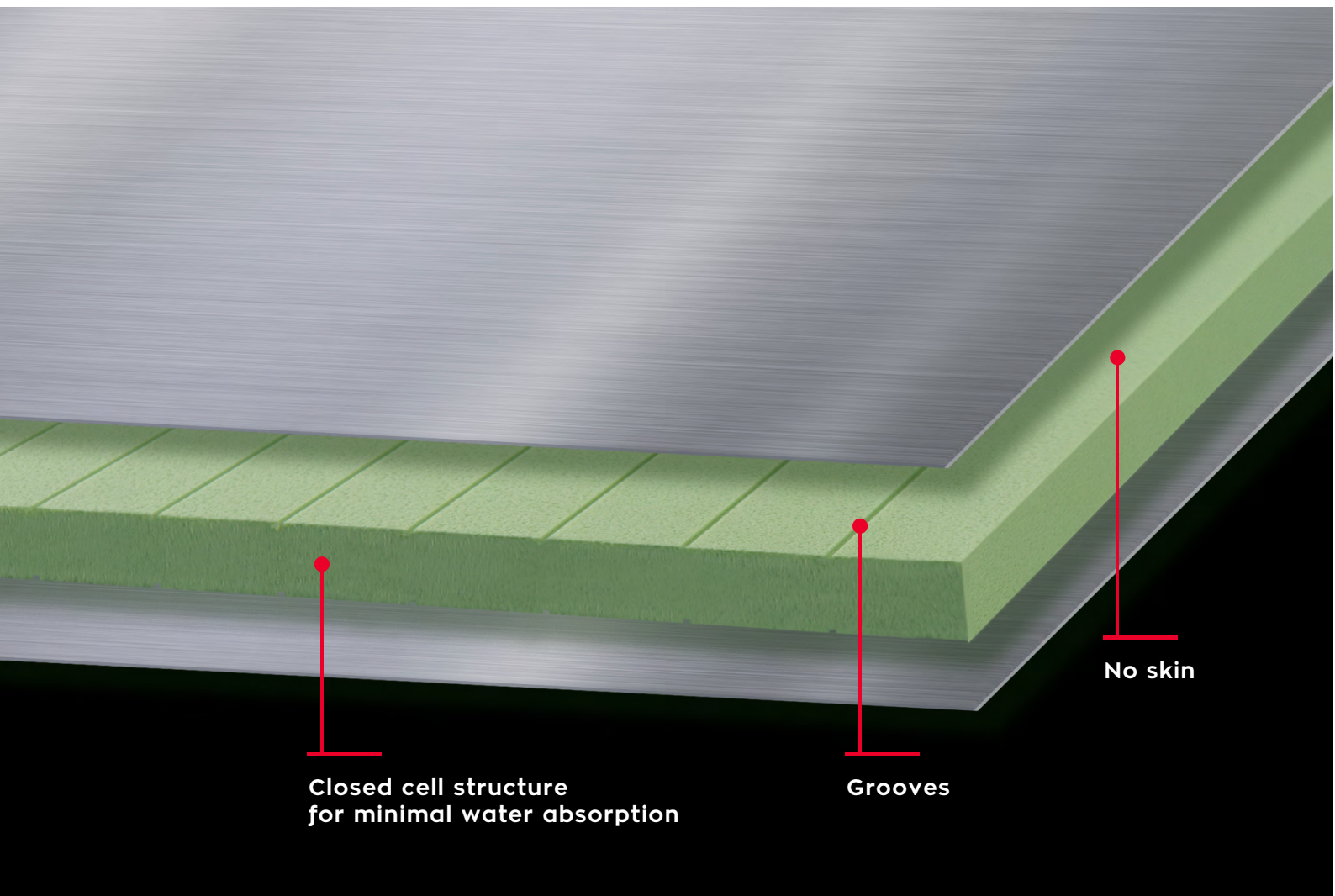
With thermal conductivity $\lambda = 0.033\text{W/mK}$ and thermal resistance $R = 0.61\text{m}^2\text{K/W}$ at 20mm, the novablok panel is the guaranteed thermal insulation proposal of Thermoplastiki, bearing the seal of the company's quality and reliability.



Smart surface

The grooved surface of novablok panel is a feature with dual functionality: Unobstructed airflow during the configuration process and ventilation to ensure the lowest temperature of the finished product.





Ideal hardness

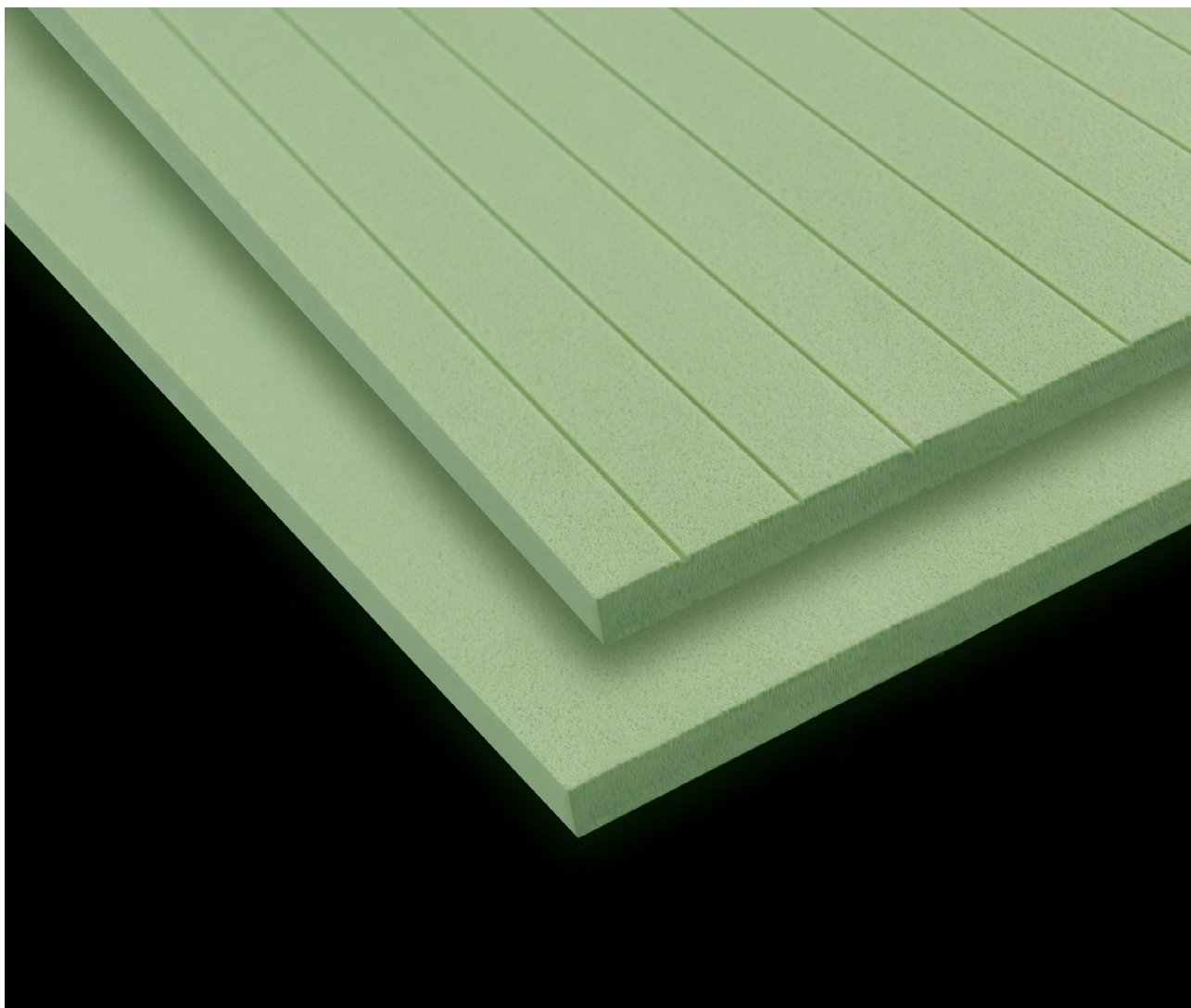
With a compressive stress exceeding 200kPa, novablok panel features an extremely hard surface with ideal rigidity for even higher durability. This feature adds substantial benefits to the processing of the panel.



Perfectly flat

novablok panel's surface is perfectly flat, for easy processing and excellent application.





Top thermal insulation



Dimensional stability



Compression resistance



Top resistance to wear due to time and use



Ease of processing - cutting



Lightweight



Maximum protection against moisture



Excellent mechanical properties



100% recyclable after its use






PACKAGING

| DESCRIPTION | DIMENSIONS(mm) | THICKNESS (mm) | PACKAGING / PARCEL | |
|--|----------------|----------------|--------------------|----------------|
| | | | SHEETS | m ² |
| novablok Panel / P for panels  | 2100 X 900 | 18 | 15 | 28,35 |
| | | 20 | 13 | 24,57 |
| | | 22 | 12 | 22,68 |

SPECIFICATIONS

| PROPERTIES | EN 13164 STANDARDS | PANEL / P | |
|--|------------------------|--|----------|
| Sides types | |  | |
| Surface | | No skin / With grooves | |
| Length X Width | | 2100x900 | |
| Compressive stress σ_{10} (kPa) | EN 826 | 200 | |
| Shear stress τ (kPa) | EN 12090 | 200 | |
| Shearing measure G (kPa) | | 1300 | |
| Tensile strength omt (kPa) | EN 1607 | 400 | |
| Thermal conductivity λ (W/mK) | EN 12667 ή EN 12939 | λ | R |
| Thermal resistance R (m ² K/W) | | 20mm | 0,033 |
| Dimensional stability DS(23.90) % | EN 1604 | ≤0,5% | |
| Indicative density ρ (kg/m ³) | EN 1602 | 32 | |
| Water vapour diffusion resistance μ | EN 12086 | 80~200 | |
| Long-term water absorption with partial immersion W_{ip} (Kg/m ²) | EN 12087 | 0,02 | |
| Non-combustibility class | EN 13501 | E | |
| Thickness tolerances | | T1 | |



THERMOPLASTIKI S.A.

Telephone: **+30 2510 391 706**

Fax: **+30 2510 391 087**

Address: **Amigdaleonas - Kavala**

P.C.: **640 12**

Email: **info@thermoplastiki.gr**

f : **thermoplastiki**

website:

www.thermoplastiki.gr