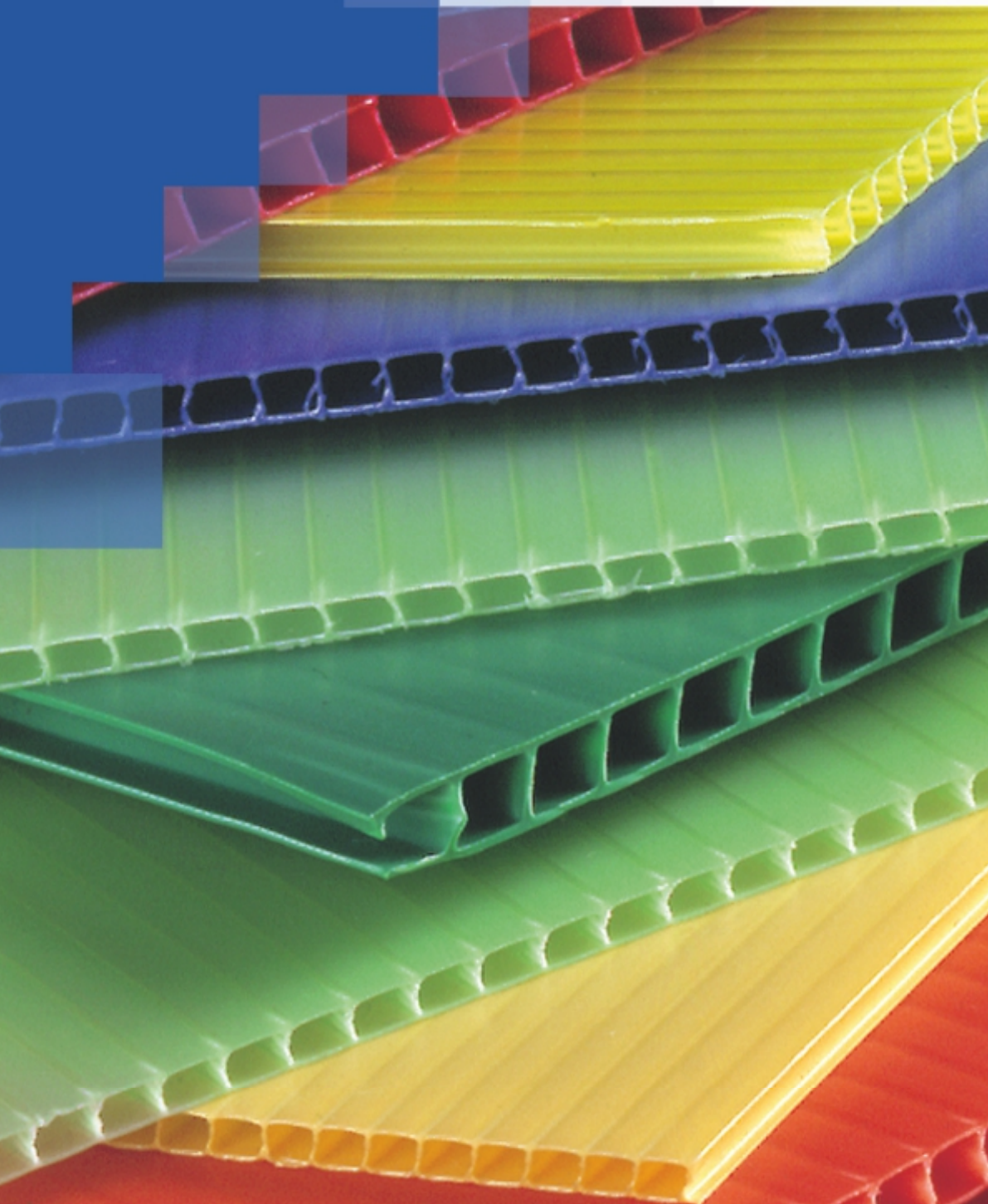


# PP corrugated sheets



Partium'70 Co. manufactures, fabricates and trades polyethylene-films, PP corrugated sheets, boxes, separators.

PARTIUM '70 Co.'s PP corrugated sheet is a hollow plastic board comprising two parallel sheets and perpendicular ribs, all made of extruded polypropylene copolymer.

The polymer board is fully recyclable. PARTIUM '70 Co. collects and recycles used PP corrugated sheet and packaging.

The mission of PARTIUM '70 Co. is to fully satisfy customer demands and win the esteem of its partners. To this end it has been operating an ISO 9001 quality assurance system since 1993 and an ISO 14001 environment centred management system since 1997.

# Certificate

Standard **ISO 9001:2008 and ISO 14001:2004**

Certificate Registr. No. **75 150 11134**

TÜV Rheinland InterCert Kft. certifies:

Certificate Holder: **PARTIUM '70 Műanyagipari Zrt.**  
Blaháné u. 2./II.em. 203-204  
H - 4024 Debrecen  
Hungary  
Sites:  
H - 3850 Tiszaújváros, TVK Ipartelep, Gyári út  
H - 4100 Berettyóújfalú, Keresztesi u 3.

Scope: processing and sale of thermoplastics

An audit was performed. Proof has been furnished that the requirements according to MSZ EN ISO 9001:2009 (ISO 9001:2008) and MSZ EN ISO 14001:2005 (ISO 14001:2004) are fulfilled.

Validity: The certificate is valid from **2015.03.13** until **2018.03.12**.  
First certification: 2002.

Budapest, 2015.03.13.

TÜV Rheinland InterCert Kft.  
H-1132 Budapest, Váci út 48/a-b  
www.tuv.hu



MIR TANÚSÍTÓ  
NAT-4-0054/2011



KIR TANÚSÍTÓ  
NAT-4-0057/2011

**TÜVRheinland®**  
Precisely Right.

*PP corrugated sheet are produced in panels and rolls in the following sizes, with -0+3% longitudinal tolerance and 0+1% lateral tolerance:*

Panel length:	<b>400-4000 mm</b>
Panel width:	<b>400-2400 mm</b>
Maximum roll length:	<b>100,000 mm</b>
— standard length:	50,000 mm
Roll width:	<b>400-2400 mm</b>

*PP corrugated products may also be produced in different sizes by arrangement.*

PP corrugated sheet is produced in various colours to suit partners' demands and purposes.

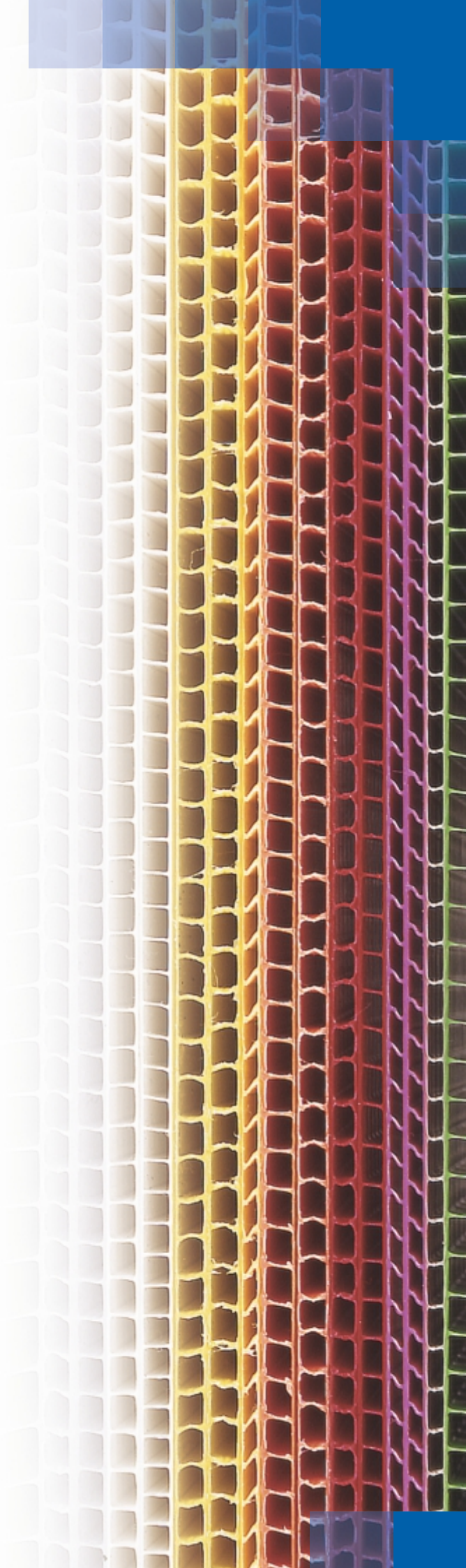
*The table below shows sheets thicknesses and grammages.*

<b>Sheet thickness (mm)</b>	<b>Grammage (g/m<sup>2</sup>)</b>
2,0	250-550
2,5	400-650
3,0	450-700
3,5	500-1000
4,0	700-1400
4,5	800-1200
5,0	900-1500
6,0	1000-1500
7,0	1500-1800
8,0	1500-1800
9,0	1800-2000
10,0	1800-2000
11,0	2000-2200

*Minimum order quantity for 2-4 mm thick PP corrugated sheet produced in custom sizes:* **500 kg**

*Minimum order quantity for 4,5-11 mm thick PP corrugated sheet:* **5,000 kg**

*Maximum width for 7-11 mm thick PP corrugated sheet:* **1200 mm**





PP corrugated sheet has many advantageous properties, such as chemical and water resistance, easy cleaning, and compatibility with most equipment used in paper fabrication (roller cutter press, platen press).

The basic properties of PP corrugated sheet can be enhanced to produce board that is

- **surface treated — corona treated**
- **flame retardant**
- **electrically conductive**
- **electrostatically dissipative**
- **antistatic**
- **UV stable**
- **with humidity binding additive**
- **Perfoplast (microperforated)**
- **mosaic flooring protection board**

With **surface treatment** on one or both sides, PP corrugated sheet is an excellent medium for screen or flexo printing.

Under Hungarian standard MSZ 14800-16 EMFA 360, PP corrugated sheet comes under fire hazard class D, i.e. slightly flammable. This property can be enhanced using an additive, to produce **flame retardant** plastic board conforming to DIN 4102 standard category B1, slow burning.

**Conductive** ( $10^3$ - $10^5$  ohm), **electrostatically dissipative** ( $10^6$ - $10^9$  ohm) and **antistatic** ( $10^{12}$ - $10^{13}$  ohm) PP corrugated sheet is made from special raw materials.

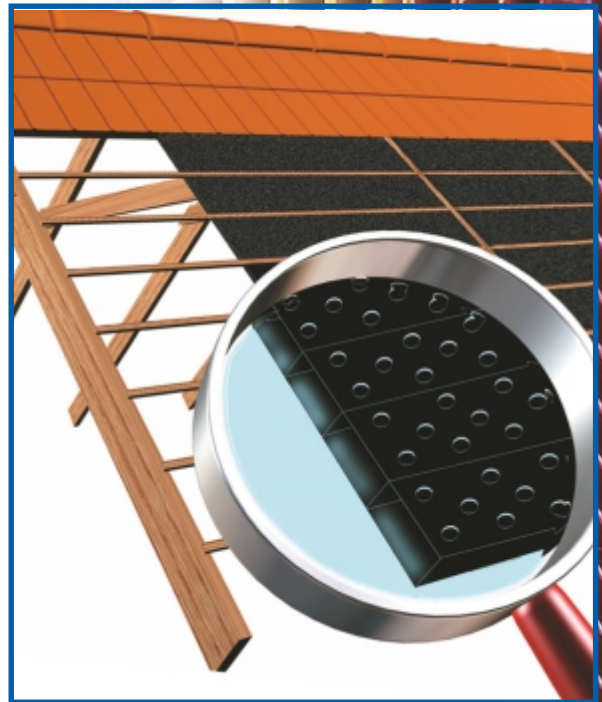
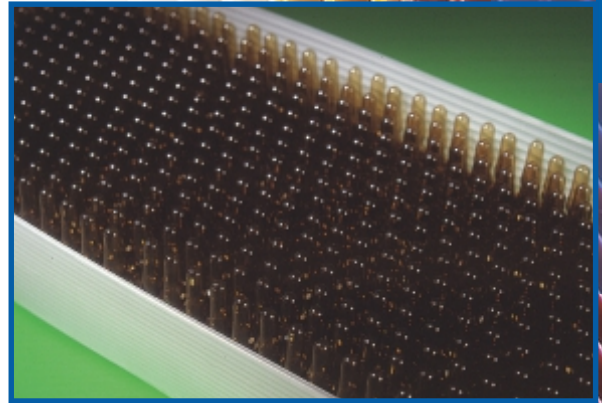
A **UV stable** additive makes PP corrugated sheet suitable for outdoor use. The lifetime of UV stable PP corrugated sheet is 1-7 years depending on the quantity of additive used. UV stable PP corrugated sheet finds application in sapling protectors. These sheaths protect plants against wildlife damage and influence the temperature and light intensity in the interior so as to stimulate growth. The PP corrugated sapling protector, usually light green, is made in custom sizes.

PP corrugated sheet with moisture and **humidity binding** agent is most frequently used for protecting products from corrosion. Packaging made of this type of PP corrugated sheet thus keeps the product inside free of moisture and humidity.

**Perfoplast** board is perforated on both sides, and is thus permeable to humidity.

The microperforation on the board surface excludes water, allows humidity to exit freely where there is a partial pressure difference. Perfoplast board is thus applicable for roof structures without a lower ventilated air layer, and for special packaging where its breathing properties are important.

The microperforations also give rise to a non-slip property. The maximum width of Perfoplast is 1600 mm.



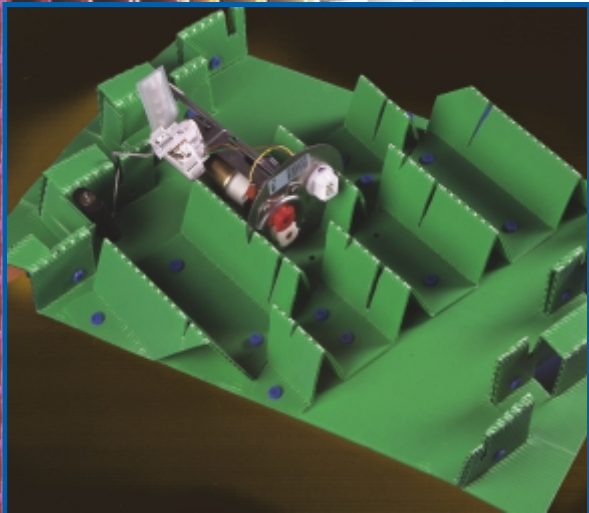
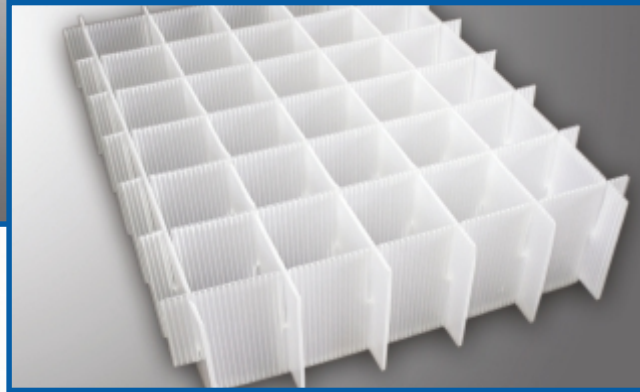
**Mosaic floor protector** is a high-strength PP corrugated sheet that withstands the mechanical stress and soiling generated in building work, and protects flooring of buildings.

This reusable board comes in a recommended size of 1200 x 800 mm, or in custom sizes.

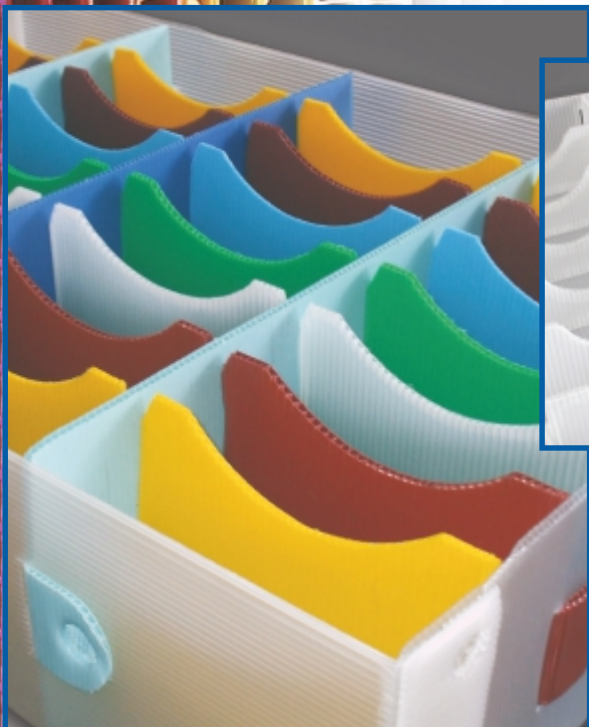




By press cutting, PP corrugated sheet is made into boxes, separators and custom products. Packaging, mostly reusable, is made in sizes and forms defined by the customer.



Mass production is always preceded by rototyping, enabling partners to try out and check whether the product meets their expectations.



PP corrugated sheet can be adhesive-lined with various materials, like polyurethane and polyethylene foams and fleeces.

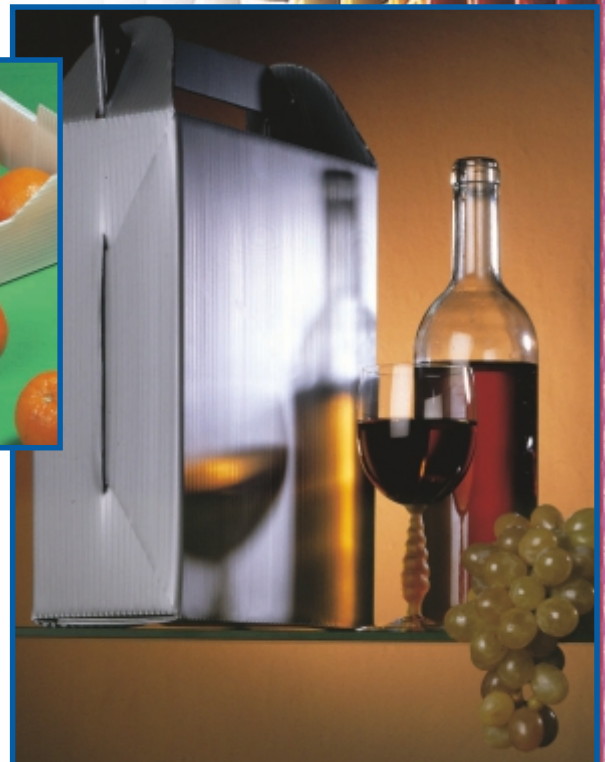
PP corrugated boxes are designed to be durable and to fold flat. The latter is an important feature for boxes that are often transported or stored empty during their long lifetime, because it minimizes the space they occupy. Non-self-closing boxes are closed by metal clips, plastic rivets or ultrasonic welding.



Another application of PP corrugated sheet is as loading separators. Boards are supplied in sizes conforming to pallets, and to meet hygiene specifications, the edges are welded down or sealed mechanically. Such sealed boards are easily cleaned and multiply reusable.



White, plain, blue and black and self-coloured PP corrugated sheet fully comply with Hungarian food health requirements (OÉTI) and the FDA, EU and BgVV regulations, and so are suitable for use in the food and pharmaceutical industries.





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