

CartoBoard Protection

Polypropylene hollow corrugated protection board



Extruded twin-wall polypropylene sheet with two flat faces connected by vertical ribs. Used to protect waterproofing membranes and surfaces during construction, with additional uses in packaging, signage, agriculture and industry.



GRADE COMPARISON

Property	2 mm	2.2 mm	3 mm	4 mm	6 mm
Material	PP	PP	PP	PP	PP
Sheet dimensions	Not supplied	Not supplied	1 × 2 m	1 × 2 m	1 × 2 m
Approximate thickness	2 mm	2.2 mm	3 mm	4 mm	6 mm
Approximate mass per area	300 g/m ²	350 g/m ²	400 g/m ²	550 g/m ²	1,200 g/m ²
Puncture resistance BS EN ISO 12236:2006	Test required	Test required	≥ 1,560 N	≥ 1,700 N	≥ 1,850 N

PP = polypropylene. Technical results below are supplied for the 3 mm, 4 mm and 6 mm grades.

SHARED TECHNICAL PROPERTIES

Property / source test reference	Reported result
Water absorption — ASTM 1004*	Nil
Resistance to 60% and 30% NaOH — ASTM D 543	Not affected
Resistance to 30% H ₂ SO ₄ — ASTM D 543	Not affected
Resistance to 10% HCl — ASTM D 543	Not affected
Resistance to mineral oils — ASTM (unspecified)	Not affected
Linear dimensional change after accelerated ageing — ASTM D 1204	Nil

*Test references and results reproduced as printed in the supplied technical tables. "ASTM 1004" is the source's stated reference.

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Features, available range & applications



PRODUCT FEATURES

Lightweight hollow construction provides impact cushioning and flexibility around corners, protrusions and uneven surfaces. Sheets can be cut, punched, bent and bonded; they are washable and reusable.

The source describes resistance to rust, rot, corrosion and bacterial growth, as well as resistance to mineral oils and chemical exposure in soil and groundwater. Polypropylene is recyclable into other plastic products.

AVAILABLE RANGE

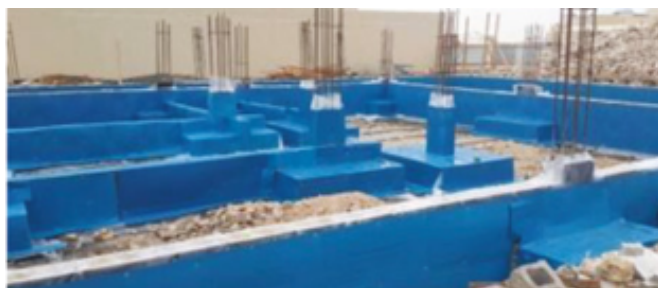
Available thicknesses	2 mm, 2.2 mm, 3 mm, 4 mm and 6 mm
Grades with detailed test data	3 mm, 4 mm and 6 mm
Other thicknesses listed in the brochure	5, 8 and 10 mm*
General maximum sheet width	Up to 2,100 mm
Standard colours	Blue, grey, green, red, orange, black, yellow, natural and white
Custom colours	Available on request

The 2 mm and 2.2 mm grades have nominal masses of 300 and 350 g/m² respectively. Their puncture resistance requires testing; no value is inferred from mass per area.

*The general thickness chart lists 2–10 mm, while the adjacent text states 2–6 mm. Confirm availability of 8 mm and 10 mm before ordering. The detailed grade sheets specify 1 × 2 m boards.

TYPICAL APPLICATIONS

Protection of waterproofing membranes and finished surfaces; construction protection; reusable packaging and inserts; advertising displays and general industrial applications.



Examples shown in the supplied brochure.

MANUFACTURER

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