



# ECA Cartonal

## POLYPROPYLENE CORRUGATED SHEETS

### DESCRIPTION

ECA Cartonal sheets are crafted from robust extruded polypropylene, featuring a corrugated structure. Engineered for construction applications, these sheets provide formidable resistance to soil and water infiltration. They also offer protection against various soil chemicals, including acids and salts. With high stiffness, exceptional impact properties, resistance to deformation, and puncture resistance, these sheets cater to diverse construction needs.

### USES

- Protection and insulation for concrete foundations
- Safeguarding waterproofing membranes to ensure durability
- Lining shutters for a smooth finish on concrete surfaces during construction
- Acting as reliable shields, protecting fixtures, floors, and tiled walls from potential damage in construction settings

### ADVANTAGES

- Resists temperatures up to 70°C, minimizing heat transfer through walls and doors
- Ensures integrity and longevity of underlying structures by providing a robust defense against soil and water infiltration
- Boasting high stiffness, exceptional impact properties, and resistance to deformation and puncture, suitable for diverse construction needs

### PACKAGING

ECA Cartonal is supplied as 1m x 2m boards with thickness options of 3 mm, 4 mm, 5 mm and 6 mm.

### TYPICAL PROPERTIES

Thickness	Tensile Strength (ASTM D5147-02a)	Puncture Resistance (EN ISO12236)
3 mm	14.42 kN/m	569 N
4 mm	16.97 kN/m	1970 N
5 mm	21.24 kN/m	2380 N
6 mm	23.57 kN/m	2750 N

Note: The above results are subject to a tolerance of  $\pm 10\%$  as per standard test methods.

### STORAGE

ECA Cartonal should be stored and maintained in a dry and cool environment to prevent moisture absorption. Keep away from direct sunlight.

### HEALTH AND SAFETY

For more information, please check the Material Safety Data Sheet.

### CONTACT

Al-Faiha for Engineering Products is the exclusive licensee manufacturer for ECA.

For more information, please contact us at [techsupport@alfaihaengineering.com](mailto:techsupport@alfaihaengineering.com).

### DISCLAIMER

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