



www.advanced-engineering-group.com

Christchurch
0800 880 233
sales@advanced-eng.co.nz

Brisbane
07 3713 7744
sales@advanced-eng.com.au

Melbourne
03 9363 1577
sales@advanced-eng.com.au

POLYURETHANE LINING SHEETS



Advanced Engineering Group's Poly Sheet liners are high quality, resilient cast polyurethane, they are available in various Shore Hardnesses and thicknesses. Advanced Engineering Group's Poly Sheets provide excellent resistance to abrasive and impact wear in raw material handling.

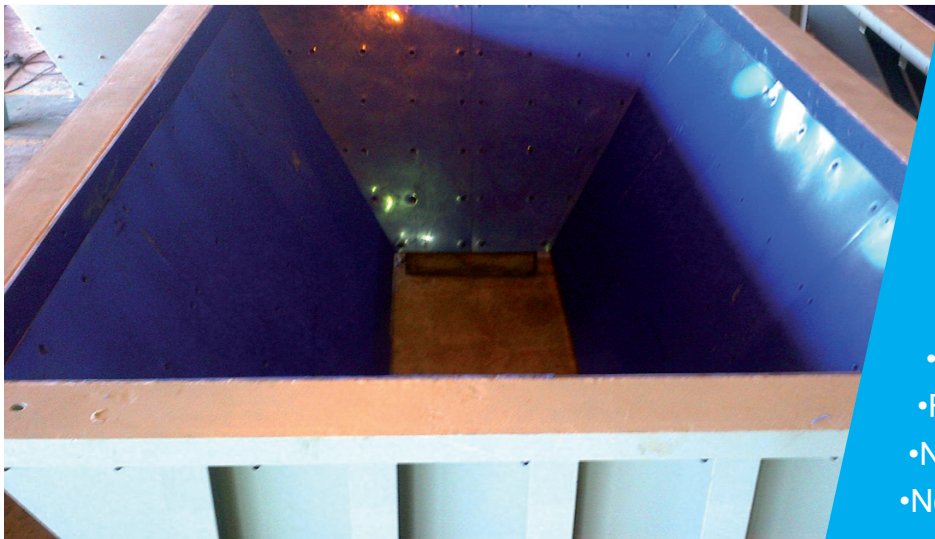
Our sheets are available in standard sheet sizes in various thicknesses or can be cut to requirements.

The self indicating layer (1/3 yellow) on sheets over 16mm thick provides preventative maintenance capabilities.

Sheet liners are available plain or fitted with a unique textured resin composite backing plate, to lend rigidity when installed onto large areas.

The primary function of the backing plate is to offer stiffness to the lining, which prevents fine material ingress behind the liner, which could cause lifting. Despite the stiffness, the liners still have relative flexibility and can be installed on slightly curved surfaces.

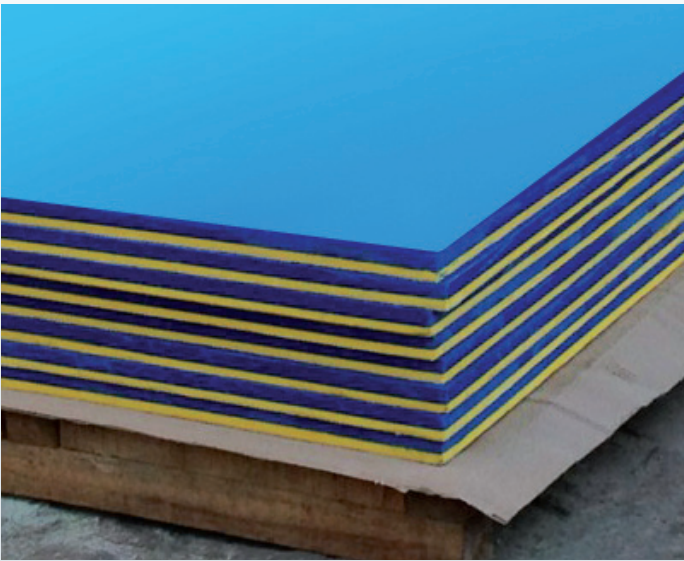
The secondary function of the backing plate is to aid with fixing.



Benefits

- Superior ABRASIVE wear resistance due to polymer material
- Weight (6x lighter than steel)
- Superior IMPACT resistance and resilience
- Superior SLIDING co-efficiency
- Ease of handling & installation
- Flexibility
- Noise reduction
- No corrosion

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Technical data:

Dimensions (Profiles can be modified)

Thickness : 10, 12, 16, 20, 25, 30, 40
and 50mm (or any required)

(Thickness includes 3mm epoxy/glass fibre.)

Standard Sheet Size : 2 400 x 1 200mm

Largest Custom size : 3 000 x 1 350mm

Fastening methods

Drilled holes through steel bin structure and liner and fixed with counter-sunk hexagonal cap-screw bolts and Nylock nuts.

Bolts fastened until bolt heads are pulled into the polyurethane to below the wear surface and in contact with backing plate.

Materials

70-95 A-Shore.

Hardness can be manufactured to the required shore-level, according to application requirement.

Exceptions

Polyurethane liners are limited to cold dry and cold wet materials handling and should not be applied in conditions where the temperature continuously exceeds 80°C or wet steam at 60°C.

Fixing schematic

