

Shield ProtectionSheets

Polypropylene Waterproofing and Protection Sheets



MICSHIELD®

Description

Shield ProtectionSheets is a semi-flexible, double-layered polypropylene protection sheet with integrated perpendicular support spacers, offering excellent puncture resistance. Designed to protect underground elements, waterproofing membranes, pipes, and structural surfaces.

Uses

- Protect waterproofing membranes from punctures and damage.
- Protecting foundations, basements, and retaining walls from mechanical, chemical, and soil-related damage.
- Suitable for use under concrete slabs, precast elements, and heavy equipment areas.
- Temporary protection during excavation, backfilling, and other civil works.
- Protect tiles, concrete, marble, and painted surfaces during finishing and installation works, preventing scratches, stains, and mechanical damage.

Characteristics / Advantages

- Semi-flexible, lightweight, and easy to cut and install.
- High puncture and tear resistance.
- Durable.
- Can withstand high temperatures (Up to 70°C) without melting or deforming.
- Resistant to chemicals, acids, and soil contaminants.

Shelf Life and Storage

Shield ProtectionSheets has an unlimited shelf life when stored in cool and dry conditions, protected from direct sunlight, heat, and moisture. The storage area should be free from any equipment that generates ozone.

Properties

Color	Blue
Dimension	1 x 2 m
Thicknesses	3,4,5 and 6 mm
Tensile Strength	≈7 MPa

Safety Instructions

Hot weld site jointing of **Shield ProtectionSheets** may generate acidic gases such as hydrogen chloride vapor. Place the spliced materials in open or well-ventilated area, wearing proper PPEs is highly recommended to avoid any circumstances.

The operational exposure limit of 5 ppm can be exceeded in still air confined spaces, therefore forced ventilation and wearing proper PPE are recommended. For further information, refer to the Material Safety Data Sheet.

Technical Support

Refer to contacting technical information, method statement or technical support team for any inquiry.

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