

PLY-GUARD

Protection board for the waterproofing membrane



CC Technique Product Data Sheet

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Division: 7

Thermal & Protection

■ The Product

PLY-GUARD is an extruded polypropylene board with a core structure to allow protection & light drainage.

PLY-GUARD is a light weight and semi flexible material that can be quickly and easily installed to minimize the damage that can occur on the waterproofing membrane. It is a valuable buffer against harmful friction. Special features of PLY-GUARD include:

- Can be installed by any operator simply by using a scale, ruler or cutting blade.
- No experience or special training is needed.
- Comes in an ideal size format, suit any building project-regardless of size or stage of construction
- Needs no special storage facilities
- Can be installed under any weather conditions
- A lighter, flexible material means faster installation that can reduce your labor costs

■ Instructions for Use

Complete Protection Solution

PLY-GUARD can be used as an effective barrier to protect wooden floor boards, wooden panels, railings, marble, granite, carpet and other surface materials that are subjects to damage during construction. They are capable of absorbing shock weight trauma and other violent forms of chemical and physical damage that threatens the delicate and sensitive areas on site.

■ Packaging

PLY-GUARD comes in a standard size format (1x 2 m). The result is such that wastage is minimized. Packaging, storage and handling are easy. Other sizes are available upon request. PLY GUARD is compatible with common waterproofing membranes: APP, SBS, TPO, PVC and EPDM.

■ Advantages

- Your best protection against damage.

- Chemical Features:

The chemical makeup of PLY-GUARD is such that most damage causing entities are unable to penetrate.

PLY-GUARD resists to most liquids-including acids, detergents and oils.

PLY-GUARD can be installed under heavy rain, wind or any other hazardous conditions.



■ Structural Features

Versatile, light weight, easy to cut and simple to install, PLY-GUARD is designed to be the perfect solution for surface protection.

PLY-GUARD is made up of two layers held together by hundreds of tiny, thin cellular walls that traverse longitudinally side by side to create a powerful cushioning effect against an application of weight. They are constructed from an innovative material that's tough enough to handle the roughness of a construction site, while flexible enough to use around corners, tricky protrusions and difficult to reach places.

Table 1: Technical Properties of the Raw Material:

Test	Specs	Unit	Result
Tensile strength	ASTM D 638	N/mm ²	27
Elongation at yield	ASTM D 638	%	7
Flexural Modulus	ASTM D 790	N/mm ²	1450
Izod Impact strength (at 23°C)	ASTM D 258	J/m	500
Izod Impact strength (at 20°C)	ASTM D 258	J/m	100
Vicat Softening point (10N)	ASTM D 1525	°C	151
HDT(0.46N/mm ²)	ASTM D 648	°C	95

- The above results are for indication purposes only.
- Exact results can be obtained by testing a sample of PLY-GUARD taken from CCTechnique factory
- Allow 10% Tolerance for the thickness and compressive strength.

Code	Description	Unit Of Sale	Qty	Base Unit	Color
DG222220	PLY GUARD Protection, 2.2mm (T) [1M x 2M]	Board	2	Sqm	Blue
DG223020	PLY GUARD Protection, 3mm (T) [1M x 2M]	Board	2	Sqm	Blue
DG224020	PLY GUARD Protection, 4mm (T) [1M x 2M]	Board	2	Sqm	Blue
DG225020	PLY GUARD Protection, 5mm (T) [1M x 2M]	Board	2	Sqm	Blue
DG226020	PLY GUARD Protection, 6mm (T) [1M x 2M]	Board	2	Sqm	Blue