

### UV Protection Polyester Resin [Color or Clear] Laying on E-Glass Fiber Mat & Netting Mat, Waterproofing System on Metal Surfaces & R.C. Gutter



Polymarble E-Glass Fiber Mat 450



Polymarble E-Glass Fiber Netting Mat 400

#### Uses

**Polymarble** is a liquid, cold-applied seamless high-performance hard surfaces & **UV Grade Protection** wearing resistance waterproofing membrane system, which provides superior protection against the penetration and lateral movement of water. It comes in a variety of grades for different types of applications.

#### Type

**Polymarble** is a polymer modified polyester resin mix combine catalyst with E-glass fiber mat, air cured, pure specially formulated for hand application by roller or spray to vertical and horizontal surfaces. It is applied directly from the container and requires no mixing.

#### ADVANTAGES

- Permits nominal expansion and contraction without losing bond to the substrate, Maintains flexibility.
- Protects structurally sound, occupied area from water penetration, and Superior water repellency.
- Contains no external plasticizers, excellent low temperature flexibility.
- Demonstrates excellent resistance to bacterial attack and the deteriorating effects of many acids, alkalizes.
- Eliminates elaborate surface preparation, costly time-consuming lapping, seaming, and precutting.
- When properly applied, **Polymarble** offers excellent hard finished surfaces & **UV Grade Protection** wearing resistance wearing resistance and waterproofing protection.



Polymarble Netting Fiber Mat 400



Polymarble Fiber Mat 450



Polymarble Fiber Mat 450

<b>Available of Color</b>	Standard Color: White & Gray Sky Blue, Yellow, Orange, Red, Green, Black, Pink & Brown
<b>Method of Application</b>	All metal/zinc, concrete, aluminium & woods surfaces should be structurally sound, clean, and free from loose particles, oil, grease, or any other contaminants. Cement laitance, loose particles, mould release agents, curing membranes, and other contaminants must be removed by wet grit blasting, high pressure water jetting (approx. 150 bars) or such other effective methods. Fill surface irregularities such as below holes, honeycombs etc., with as <b>Cem Strength</b> repair mortars to achieve a smooth and level surface. Saturate the prepared or <b>Epo Putty or Sealant</b> substrate with clean water before applying <b>Polymarble</b> .
<b>Placing</b>	It is extremely important that the area being treated is shaded from direct sun rays and wind to prevent rapid drying of the coating. Apply <b>Polymarble</b> evenly with a stiff brush or by a spray, onto the prepared surface, to give a continuous film. The total film build up should be <b>[2 or 3] layers of Polymarble E-Glass Fiber Mat on horizontal &amp; vertical surfaces</b> in case of horizontal surfaces which should be built up in at least 3-4 coats of Polymarble Polyester Resin, applied one day apart. To avoid pin holes, apply the second brush coat at right angels to the direction of first coat. In hot climates, it may be necessary to retard the setting time of Polymarble Catalyst to minimize the risk of frequent choking of the spray nozzle.
<b>Estimating Data</b>	The minimum recommended coverage of <b>Polymarble [resin]</b> is 1.75 to 3.5 kg/m <sup>2</sup> to get 1.50mm to 3.50 mm thick film build per system. Actual coverage depends upon the method of application, the texture and porosity of the surface.
<b>Thickness Require</b>	<b>Floor Surface:</b> <b>1.80 to 3.50mm</b> <b>Wall Surface:</b> <b>1.50 to 2.00mm</b>
<b>External Applied:</b>	<b>Exposed Type with Light-Traffic Waterproofing System</b> <b>All Surfaces Direct to Sunlight. (5 to 8 Years Warranty System)</b>
1	Preparation, user high pressure pump of water-jet to cleaning all reinforced concrete surfaces, shall be thoroughly cleaned. Remove all laitance, dust and moisture prior to any treatment.
2	Apply 1 <sup>st</sup> layer of " <b>Polymarble</b> ", with rate applied: 0.75-1.50/kgs/m <sup>2</sup> , when the polymarble PR resin it still wetting, immediately applied of " <b>Polymarble</b> " [Fiber Mat or Netting Mat]. Once cured thick:1.0mm
3	Apply 2 <sup>nd</sup> layer of " <b>Polymarble</b> ", 0.75-1.50/kgs/m <sup>2</sup> , when the polymarble PR resin it still wetting, immediately applied of " <b>Polymarble</b> " [Fiber Mat or Netting Mat]. Once cured thick:1.1mm
4	Apply 3 <sup>rd</sup> layer of " <b>Polymarble</b> ", 0.75-1.50/kgs/m <sup>2</sup> , when the polymarble PR resin it still wetting, immediately applied of " <b>Polymarble</b> " [Fiber Mat or Netting Mat]. Once cured thick:1.1mm
5	Apply 0.25 kg/m <sup>2</sup> of " <b>PUR Roof Gard UV920</b> " for protection UV Resistance Coating.

Material Details	Polymarble Resin	Polymarble Catalyst	Polymarble E-Glass Fiber Mat 450	Polymarble E-Glass Fiber Netting Mat 400	PUR Roof Gard UV920
Packing	10 & 20 kg Pail	0.50, 1.00 or 5kg Pail	[Weight: 450g/m <sup>2</sup> ] 2.00m x 50m/roll	[Weight: 400g/m <sup>2</sup> ] 2.00m x 50m/roll	5.00 kg pack Part A & B



Expose System, Polymarble Laying on Roof Slab



Expose System, Polymarble Laying on Roof Slab

### Durable & Resistance of Polymarble PR450 Properties



Flame Retardants



High Impact Resistance



High Abrasion Resistance



Easy Cleaning



High UV Resistance



Excellent Shape Puncture

Typical of Properties	Unit	Polymarble PR450	Polymarble N400
Weight of Fiber	g/m <sup>2</sup>	450	400
Tensile Strength	Mpa	28 - 31	28 - 35
Young's Modulus	Gpa	2.40 - 2.55	2.40 - 2.60
Maximum Strain		0.012	0.012
Maximum Stress	Mpa	29	32
Maximum Load	N	1735	1920

# Polymarble

## Polyester E-Glass Waterproofing Data Sheet

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**Health & Safety** Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets, available from **LAMACO Malaysia** on request and sent with each delivery.



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