



GreenShield

Heatshielding & Waterproofing Your Roof

Waterproofing & Heat Insulation Products

- ◇ TPO Membrane
- ◇ HDPE Membrane
- ◇ TPE Expansion Joints

Established in 1984, Zylog is India's leading thermoplastic elastomer company, manufacturing a wide range of compounds and products based on polyolefin, styrene and various elastomers and polymers, servicing automotive, medical and healthcare, wire and cable, appliances, FMCG, agriculture, animal management, industrial and building and construction applications.

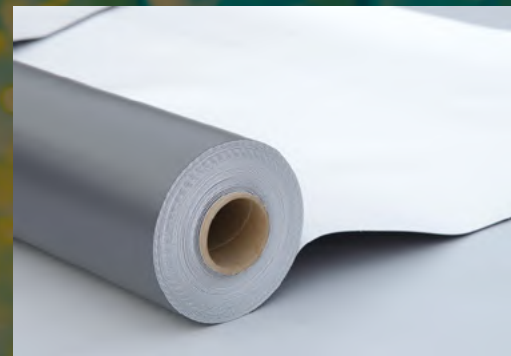
GreenShield™ division was established in 2016, with a specific focus to develop and localize a range of products for the building and construction industry, enabling access to better and greener technologies, focused on enhancing efficiency and automation in workmanship, with local availability on demand.

Today, GreenShield™ manufactures and supplies the following products, servicing critical areas of waterproofing and heat insulation.

PRODUCT SPECIFICATION SHEETS & BRIEF APPLICATION METHODOLOGY

TPO MEMBRANE

GS range of TPO membranes are based on thermoplastic polyolefin, servicing wide applications across PEB and RCC structures. The membranes include, scrim reinforced, single side fleece backed, double side fleece backed, FDA potable water tank liners, suitable for loosely laid, mechanically fastened or fully adhered systems. The membranes are manufactured in widths up to 2 meters, in thickness of 1.2 and 1.5 mm, supplied in roll form.



HDPE MEMBRANE

GS PE membranes are based on high density polyethylene, manufactured with fleece back or with pressure sensitive adhesive, servicing applications across podium and basement waterproofing on vertical and horizontal surfaces. The membranes are manufactured in widths up to 2 meters, in thickness of 0.8, 1.2 and 1.5 mm, supplied in roll form.



TPE EXPANSION JOINT TAPES & PROFILES

GS TPE tapes and profiles are based on thermoplastic elastomer, designed for expansion joint applications below grade or exposed, for podiums, parking areas, basements, foundations, pool, treatment plants, water tanks, tunnel segments, for dynamic cracks and cold joints across vertical and horizontal surfaces. Manufactured in widths from 100 mm up to 1000 mm with thickness of 1, 1.5 and 2 mm, supplied in roll form.



MEMBRANE ACCESSORIES

Besides membranes, we also supply a range of accessories, designed to ease installation. These include roof drains, flexible collars, internal and external corners, flashings and edge strips, termination bars, screws, fasteners and washers, walkways, tube wraps, skylights – transparent sheet that easily heat weld to the membrane.



ADHESIVE

GS EJ 2K EP adhesive is a two-part, high performance epoxy-based adhesive, designed for bonding GS TPE expansion joint tapes and profiles to different substrates. The adhesive resin (Part A) and hardener (Part B) together provide a thixotropic mix, easy to apply on vertical and horizontal surfaces, with a long enough pot life to allow adequate adhesive application, positioning and aligning time, forming a watertight surface.



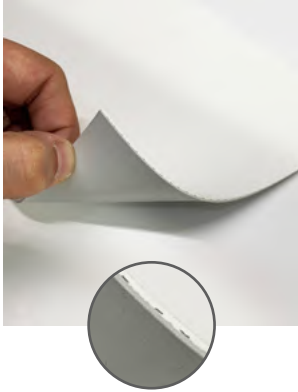
PRODUCT NOMENCLATURE GUIDE

GS	GreenShield™
TPO	Thermoplastic Polyolefin Material
RF	Reinforced with Scrim or Backing
BG	NW Fleece Backing
S	Single Sided Backing
D	Double Sided Backing
FR	Fire Safety Compliance

PRODUCT INFORMATION

GREENSHIELD™ TPO Membranes

To meet the diverse needs across India, GreenShield™ has developed a wide variety of membranes, suitable for various roof substrates.



GS TPO RF & GS TPO RF FR

These membranes come in thickness of 1.2 and 1.5mm, are scrim reinforced, fully encapsulated, complying to global standard of ASTM 6878. FR grades are specifically designed to meet Fire Safety EN class norms. These are suitable for installation over PEB roofs, and non-accessible concrete roofs.



GS TPO SP, & GS TPO SP FR

These membranes come in thickness of 1.2 and 1.5mm, are single ply, complying to global standard of ASTM D131-95. FR grades are specifically designed to meet Fire Safety EN class norms. These are suitable for installation over PEB roofs, nonaccessible concrete roofs and green roofs. Also, since these membranes are more flexible, it is used for corner and edge joints.



GS TPO RF BG S & GS TPO RF FR BG S

These membranes come in thickness of 1.2 and 1.5 mm and are reinforced with an external backing of non-woven polyester, offering superior puncture resistance, enabling adhered installation system using hot asphalt or GS adhesives. FR grades are specifically designed to meet Fire Safety EN class norms. These membranes are suitable for exposed non accessible concrete roofs, bonded to substrate.



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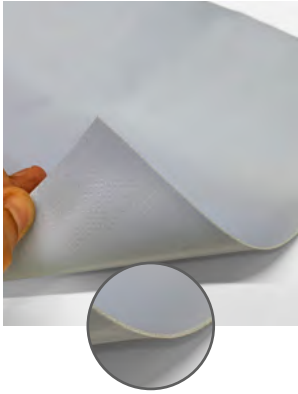
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GS TPO RF BG D

These membranes come in thickness of 1.2 and 1.5 mm, where TPO is sandwiched between layers of non-woven polyester enabling fully embedded waterproofing installation system using GS adhesives. It enables installation of tiles on exposed surface. These membranes are suitable for accessible concrete roofs, podiums, balconies, bonded to substrate.



GS TPO SP FDA

This is a special membrane, FDA approved for potable water tank lining application, providing anti-microbial and anti-fungal properties. The membrane has been tested for compliance to FDA Potable Water regulation as well as microbial and fungal attack resistance.



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GS PE PSA

HDPE membrane with a layer of pressure sensitive adhesive, layered with a protective film. Suitable for application on side walls. The adhesive bonds strongly with the wall surface, protecting it from backfill.

GS PE PSA + SAND

HDPE membrane with a layer of pressure sensitive adhesive, topped with micronized sand. Suitable for basement, applied below raft. Fresh poured concrete activates the adhesive on contact, forming a strong bond, creating a monolithic layer.

GS PE RF BG (S)

HDPE membrane with a layer of fleece. Suitable for basement and podiums, applied below raft. Fresh poured concrete runs into the fleece, creating a secured monolithic bond.

15 YEARS GUARANTEE

GreenShield™ approved applicators are trained to carry out installation and repair works, backed by company guarantee of 15+ years.

PRODUCT INFORMATION

GREENSHIELD™ PE Membranes

GreenShield™ has 3 specific HDPE membranes, suitable for applications across different areas, accommodating requirements of architects, builders and contractors.



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With a growing network of dealers, distributors and authorized applicators, across the country, GreenShield™ is easily available for projects as small as 500 sq ft, to as large as 1,50,000 sq. mtr, at affordable cost, with quality in line with global standards, providing long term safety from water leakages.

Visit our website: www.greenshield.co.in to learn more about us or give us a call to find out what we can do for you.



GreenShield

Heatshielding & Waterproofing Your Roof

Manufactured & Marketed by Zylog ElastoComp

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