KTG

SUSTAINABLE PLASTIC SOLUTIONS

Product Catalogue







More Than Plastic, We are Manufacturing Solutions

PT. Kencana Tiara Gemilang (KTG Indonesia) is a leading specialist in high quality geosynthetic products. Established in 2015, we are dedicated to providing solutions that are safer, more efficient and sustainable for various infrastructure. **Building Safer Ground for Tomorrow** is our commitment, which drives us to design products that ensure long-term structural integrity and environmental protection.

We continuously develop our geosynthetic products in a way to protect the earth, and make it as our mission to achieve our vision **of become the leading and most trusted geosynthetic manufacturer in Indonesia**. Supported by our unyielding commitment to rigorous international quality standards, precision engineering, and comprehensive product assurance.

Our Quality Standards :

GSI
GEI GII
GSI
GAI GCI

GRI
STANDARDS

Certifications & Compliance :

SNI

TKDN
TINGKAT KOMPONEN DALAM NEGERI

Quality Management Standards :

ISO 9001 : 2015

ISO 14001 : 2015

ISO 45001 : 2018



Geoprotec®

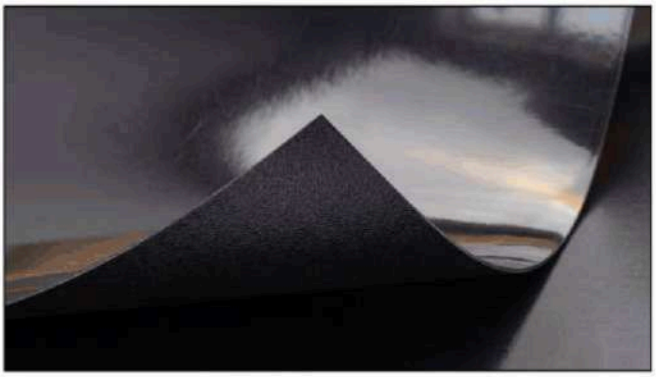
HDPE GEOMEMBRANE

Impermeable Barier for fluid Containment



Engineered for superior containment performance, our HDPE Geomembrane is manufactured to meet the requirements of the **GRI-GM13** specification for high-density polyethylene geomembranes, providing dependable impermeability, excellent chemical resistance, and outstanding long-term durability.

Designed to perform in Indonesia's tropical climate, the material offers excellent UV stability and weather resistance, making it suitable for demanding environments and industrial applications.



Specification

Thickness	Width	Length
0.5 mm	6 m	50 m
0.75 mm	7 m	100 m
1.0 mm	7 m	210 m
1.5 mm	7 m	140 m
2.0 mm	7m	105 m
2.5 mm	7 m	85 m
3.0 mm	6 m	40 m

Our geomembrane solutions support a wide range of projects, Combined with local technical support, nationwide distribution, and professional installation partners, we help deliver reliable, long-lasting lining systems for projects across Indonesia.

Water Management
Reservoir

Waste Management
Land Protection

Aquaculture
Reservoir & Productivity

Site Development
Soil Improvement

Power Plant
Chemical Protection

GRI
GM13
STANDARD

Download Our TDS Here

PROJECT PORTOFOLIO



Road Project - Wates Kulonprogo DIY



Geothermal Project - Bondowoso



Road Project - Pasuruan



Water Reservoir - **Campursari, Magetan**



Salt Pond - Pamekasan Madura



Shrimp Pond - Rejoso Pasuruan



Sanitary Landfill - Randuagung, Singosari



Waste Pond - Pontianak, Kalbar



Geowoven®

GEOTEXTILE WOVEN

Soil Separation & Reinforcement Layer

Engineered for superior soil stabilization, separation, and reinforcement, our Woven Geotextile is manufactured to meet the requirements of the **GRI-GT13(a)** specification, ensuring consistent quality, high tensile strength, and reliable long-term performance. Produced from premium high-strength polypropylene tapes, it enhances load distribution, minimizes differential settlement, and improves the stability of weak subgrades, making it an ideal solution for demanding civil engineering and infrastructure projects.





Specification

Thickness	Width	Length
200 gsm	6 m	100 m
250 gsm	6 m	100 m

Supported by local engineering assistance and verified installer networks, we guarantee long-term stability for every project.

Site Development
Soil Improvement

Slope Protection
Soil Improvement & Reinforcement

Download Our TDS Here

GRI
GT13(a)
STANDARD

PROJECT PORTOFOLIO



Slope Reinforcement - Bontang



Road Project - Kendal



Factory Project - Nganjuk



Road Project - Pasuruan Probolinggo



Road Project - Toli Toli



Road Project - Surabaya



Road Project - Sintang Kalbar



Factory Project - Gresik



Geoprocel®

GEOCELL

3D Soil Confinement System

Engineered for superior ground stabilization and soil confinement, our HDPE Geocell system is manufactured to meet the requirements of the **GRI-GS15** specification, ensuring consistent quality, structural integrity, and long-term performance. Fabricated from premium high-density polyethylene (HDPE), the three-dimensional cellular structure enhances load distribution, reinforces weak subgrades, controls erosion, and improves the stability of earth structures under demanding conditions.





Specification

Material: High Density Polyethylene (HDPE)
Surface : Double side textured

Cell Depth	Panel Size	Welding Distance
7.5 cm	4 m x 6 m	40 cm
10 cm	4 m x 6 m	40 cm
15 cm	4 m x 6 m	40 cm
20 cm	4 m x 6 m	40 cm

Through our verified distribution and installation network, we continue to empower engineering teams to deliver safer, more resilient infrastructure projects nationwide using certified, high-performance products

Park Land
Vegetation Pavement

Slope Protection
Reinforcement & Vegetation

Site Development
Soil Improvement & Reinforcement

GRI
GS15
STANDARD

Download Our TDS Here

PROJECT PORTOFOLIO



Access Road - Pontianak



Slope Protection - IKN



Slope Protection - Jakarta International Stadium



Road Project - Sukabumi



Road Project - Batang



Road Project - Surabaya



Road Project - Sukabumi



Slope Protection - Jakarta



ACCESSORIES & JOINTING SYSTEM

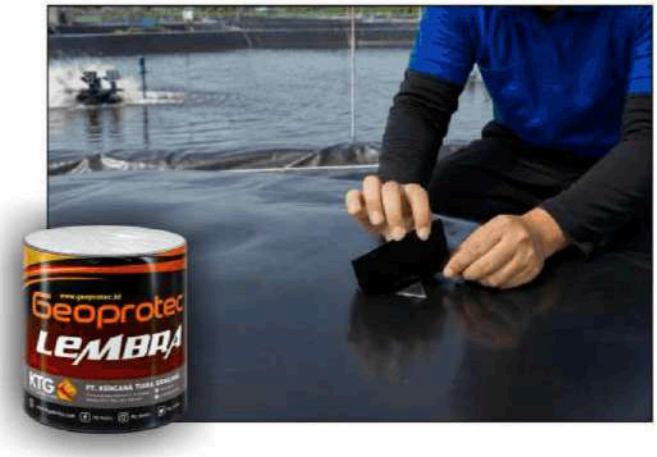


Geoprotec® RW

Geoprotec RodWeld serves as the specialized HDPE filler material for thermal extrusion welding in geomembrane installations. Precision-manufactured from high-density polyethylene resin to match the physical and chemical properties of the base liner, it ensures a homogenous, leak-proof weld capable of maintaining total structural performance.

Specification

Thickness	Width	Weight per roll
4 mm	420 m	5 Kg



Geoprotec® AD

Geoprotec Adhesive is a specialized single-sided adhesive patch designed for rapid repair of minor geomembrane leaks. Compatible with multiple liner thicknesses, it delivers superior sealing performance, extensively proven in aquaculture

Specification

Width	Length	Weight per roll
10 cm	150 cm	±0.3 Kg



Keylock

Mechanical interlock for Geocell panel connection. Molded from durable polymer material, it optimizes field installation efficiency while providing superior joint shear strength

Weight : 5 grams

A LEGACY OF TRUST :
Projects by the Numbers

3.500.000+ m²
Land protected by Geoprotec

960.000+ m²
Land strengthen by Geowoven

576.000+ m²
Land stabilized by Geoprocel



Our geosynthetic solutions serve projects nationwide.

MAIN SECTORS APPLICATIONS :

Water Management

Waste Management

Power Plant

Mining

Site Development

Road and Highway

Building Safer Ground For Tomorrow

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