COMPANY PROFILE CATALOG · GEOSYNTHETICS SOLUTIONS

EuroEnergy Sdn Bhd

Your Dependable Geosynthetics Partner for Civil, Infrastructure & Environmental Engineering

QUALITY | SAFETY | RELIABILITY



PRODUCT PORTFOLIO HIGHLIGHTS

- Nonwoven & Woven Geotextiles – SECUTEX® · EUROTEX®
- Geotextile Tube & PP Woven – EUROTUBE® · EUROTEX® PP Silt Protector &
- Geocomposite – EUROSILT® · EUROCOM®Ultra-High-Strength Geogrid –
- EUROGRID® up to 1,600 kN/m

GEOSYNTHETICS EXCELLENCE · MALAYSIA & APAC

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Company Background and Positioning

An integrated geosynthetics capability platform for modern infrastructure development.

Business Model

EuroEnergy operates as a dual-capability platform, combining in-depth manufacturing expertise with a global trading network.

- Direct control over product quality and specifications.
- Diverse sourcing for specialized geosynthetic solutions.
- Competitive value through optimized supply chain.

Service Commitment

Positioned as a dependable partner, we focus on technical responsiveness and operational reliability.

- Practical technical guidance for complex applications.
- Responsive delivery to meet tight project schedules.
- Dedicated coordination for government infrastructure.



STRATEGIC MARKET FOCUS

- Civil Infrastructure
- Hydraulic Engineering
- Environmental Protection
- Coastal & Marine
- Rail & Tunnelling
- Landfill Engineering

Core Values & Value Proposition

Delivering structural integrity through high-quality products, safety, and technical reliability.

01

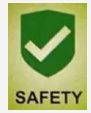
Quality Excellence

Premium geosynthetic materials selected for long-term stability, durability, and superior tensile performance in demanding civil environments.

02

Safety & Protection

Advanced solutions that control sediment, protect waterways, and reinforce soil to ensure safer construction conditions and environmental compliance.



03

Operational Reliability

Responsive project coordination, practical technical guidance, and dependable supply planning to meet critical infrastructure timelines.



04

Strategic Technical Fit

Comprehensive product families tailored for soil stabilization, embankments, retaining walls, coastal protection, and landfill engineering.

Geomembrane - Pond Liner

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Product	Raw Material	Color	MOQ (SQM)	Surface	Width/ Roll	Length/ Roll	Thickness (mm)	Application
  	HDPE/ LDPE/ EPDM/ PVC	Black/ Blue/ Green/ customize	If the destination port is in Malaysia, any quantity is acceptable. If the destination port is abroad, the MOQ of our geomembranes is at least 2000SQM.Considering the transportation cost, it is highly recommended that you buy in containers.	Smooth/Textured	1-10m	50/100m	0.3	Seawater and freshwater farms,River dikes, lake dams, tailings dams, sewage dams and reservoirs, channels.
							0.5	
							0.75	
							1.0	Landfill, Subway, basement and tunnel and tunnel impermeable lining.
							1.5	
							2	
							2.5	
							3	
	Everything（Color/Surface/Thickness) can be produced as your request.							

PET Geotextile

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Product	Raw Material	Color	MOQ(SQM)	Surface	Width/ Roll	Length/Roll	Weight (g/sqm)	Application
  	PET	Black/ Blue/ Green	If the destination port is in Malaysia, any quantity is acceptable.If the destination port is abroad, the MOQ of our geotextileis at least 3000SQM. Considering the transportation cost, it is highly recommended that you buy in containers.	Filament Short fiber	1-8m	50/100 m	100 150 200 250 300 350 400 450 500 600 800 1000	Water Resources Project,Landfill, Environmental sanitation Projects, Highway and Railroad Projects.
Everything（Color/ Unit Weight) can be produced as your request.								

PP Geotextile

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Product	Raw Material	Color	MOQ(SQM)	Weight	Width /Roll	Length/ Roll	Weight (g/sqm)	Application
  	PP	Black, Green or Customized	If the destination port is in Malaysia, any quantity is acceptable.If the destination port is abroad, the MOQ of our geotextile is at least 3000SQM.Considering the transportation cost, it is highly recommended that you buy in containers.	70-800g/sqm	1-6m	50-1000m	70 90 100 120 160 200 240 280 400 600 800 1000	Railway, Highway, Sports Hall, Dams, Hydraulic Construction Tunnel, Coastal Beach, Land Reclamation,
Everything（Color/Surface/Thickness) can be produced as your request.								

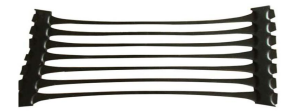
Geotube -PP Woven Geotextile geobag

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Product Name	Material	Size	Weight/ SQM	Construction method	Advantage	Application
 	Double-sided acupuncture non-woven bag made of PP as raw material	cutomized	285gsm/ 450gsm/ 540gsm/ customized	Slope greening, repairing mines, inland river improvement,etc	1. Resistant to moisture2. Chemical resistance3. Anti-biodegradation and animal destruction4. High temperature resistance5. UV resistance	1. Both rivers 2. mine re-green 3. Treatment of landslides, gutters, soil erosion, irrigation systems 4. Constructed wetland repair 5. Green roof

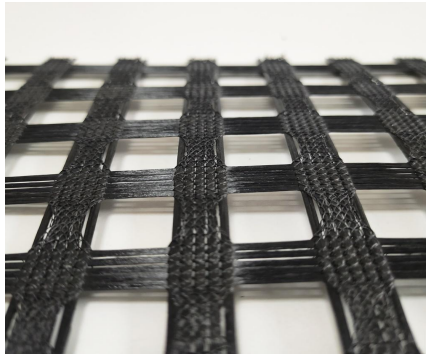
PP Geogrid

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Products		Tensile Strength（Kn/m)	Mesh Size (mm)	Application	Width/ Roll	Length/ Roll	
	Biaxial	15-15	12.7*12.7/ 25.4*25.4/ 40*40	Reinforced granular foundation beds;Rail Track stabilization;Area/ Ground stabilization;	2/3.9/5.9/6m	100/50m	
		20-20					
		30-30					
		40-40					
		50-50					
	Uniaxial	35		Soft foundation reinforcing for highway, railway;Reinforcing for retaining wall. dam;	1/2m	50m	
		50					
		80					
		100					
		110					
		120					
		150					
		170					
		200					
		220					
		240					
		300					

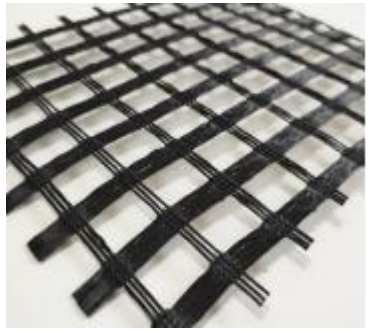
Biaxial Fiberglass Geogrid

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Products	Tensile Strength（Kn/m)	Mesh Size(mm)	Application	Width/ Roll	Length/ Roll	
 	30-30	12.7*12.7/ 25.4*25.4/ 40*40	It is widely used in asphalt pavement, cement pavement and roadbed enhancement and railroad roadbed, embankment slope protection, airport runway, sand control and other engineering projects.	1-6m	50-200m	
	40-40					
	50-50					
	60-60					
	70-70					
	80-80					
	90-90					
	100-100					
	120-120					
	130-130					

PET Geogrid

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Products		Tensile Strength（Kn/m)	Mesh Size(mm)	Application	Width	Length	
	Biaxial	20-20	12.7*12.7/ 25.4*25.4/ 40*40	Polyester geogrid is used for road, railroad, municipal road and other road soft soil roadbed reinforcement, embankment slope reinforcement, retaining wall reinforcement, enhance the overall strength, highway, railroad, water conservancy, railway.	1-6m	50-200m	
		30-30					
		40-40					
		50-50					
		60-60					
		80-80					
		100-100					
		110-110					
		120-120					
		150-150					
		180-180					
		400-400					
	Uniaxial	40-25	12.7*12.7/ 25.4*25.4/ 40*40				
		50-35					
		60-30					
		80-30					
		100-30					
		120-30					
		150-30					
		180-30					
		200-30					
		300-30					
		400-30					
		500-30					

Steel Plastic Composite Geogrid

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Products		Tensile Strength（Kn/m)	Application	Width/ Roll	Length/ Roll	
	Uniaxial	30	highway, railroad, embankment, bridge platform, construction right-of-way, wharf, shore protection, levee, dam, beach management, cargo yard, slag yard, airport, sports field	1-6m	50m	
		50				
		80				
		100				
		120				
		150				
	Biaxial	30-30				
		45-45				
		60-60				
		80-80				
		100-100				
		120-120				

Geocell-Cellular Confinement

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Products	Tensile Strength (MPa)	Height (mm)	Welding Distance (mm)	Thickness(mm)		Expanded Size		Application	
				smooth	textured	cell size (mm)	panel size (m)		
 	100-330	100	330	1.1	1.5	244*203	2.44*6.15	1.stabilize road and railroad foundation. 2.embankment and shallow water channel management under load. 3.prevent landslide and mixed retaining wall under load.	
	150-330	150							
	200-330	200							
	100-356	100	356			259*224	2.56*6.52		
	150-356	150							
	200-356	200							
	100-400	100	400			295*250	4*5		
	150-400	150							
	200-400	200							
	100-445	100	445			320*287	2.56*8.35		
	150-445	150							
	200-445	200							

Geosynthetic Clay Liners

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Products	Properties	Unit	Test Method	Frequency	Value
	GCL Property				
	Bentonite mass per unit area	g/m2	ASTM D 5993	4000m2	3600g/m2 MARV
	Tensile Strength	kN/m	ASTM D 6768	4000m2	6kN/m MARV
	Peel Strength	N	ASTM D 4632	4000m2	65N MARV
	Hydraulic conductivity	cm/s	ASTM D 5887	periodically	5×10–2cm/sec MARV
	Shear Strength	kPa	ASTM D 6243	periodically	24 kPa Typical
	Geotextitle Property				
	Cap nonwoven geotextile	g/m2	ASTM D 5261	20,000m2	200 g/m2 MARV
	Cap woven geotextile	g/m2	ASTM D 5261	20,000m2	200 g/m2 MARV
	Bentonite property				
	Swell index	Kg	ASTM D 5890	50,000Kg	24ml/2g MARV
	Moisture content	%	ASTM D 4643	50,000Kg	12% max
	Fluid loss	ml	ASTM D 5891	50,000Kg	18ml max
	Roll Dimensions				
	Width*Length	m	Typical	each roll	5.8×30
	Area Per Roll	m2	Typical	each roll	174
	Packaged Weight	kg	Typical	each roll	935

Cement Blanket

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Products	Specification	Thickness(mm)	Width (m)	Density (kg/sqm)	Length (m/Roll)	Working time after adding water	Application	
	DW8	8	1-4m	10	40	1-2days	Ditch laying; Slope protection. Building foundation pit protection; Dam reinforcement; Reservoir, pond; Marine engineering tidal land; Sewage black and foul water cofferdam and river treatment; Sewage industry sewage related anti-corrosion and anti- erosion landfill leachate pool; Sandbag reinforcement, explosion-proof wall reinforcement; Light load path; Temporary diversion canal;	
	DS10	10		13				
	DS12	12		15	30			
	GW6	6		8	80	2days		
	GS12	12	1-2m	15	50	5-120minutes		

ENGINEERING SOLUTIONS // GEOSYNTHETICS CATALOG

Contact EuroEnergy Sdn Bhd

Closing slide providing office address, phone number, email, and website for project inquiries and technical support.

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Dedicated Technical Support



Serving the infrastructure and civil engineering needs of Malaysia and the wider Southeast Asian region.