EuroEnergy
Reliable Geosynthetic Solutions

Euro Energy Sdn. Bhd.
Reg. No. 202201045047 (1490744-T)

Marine & Environmental Protection

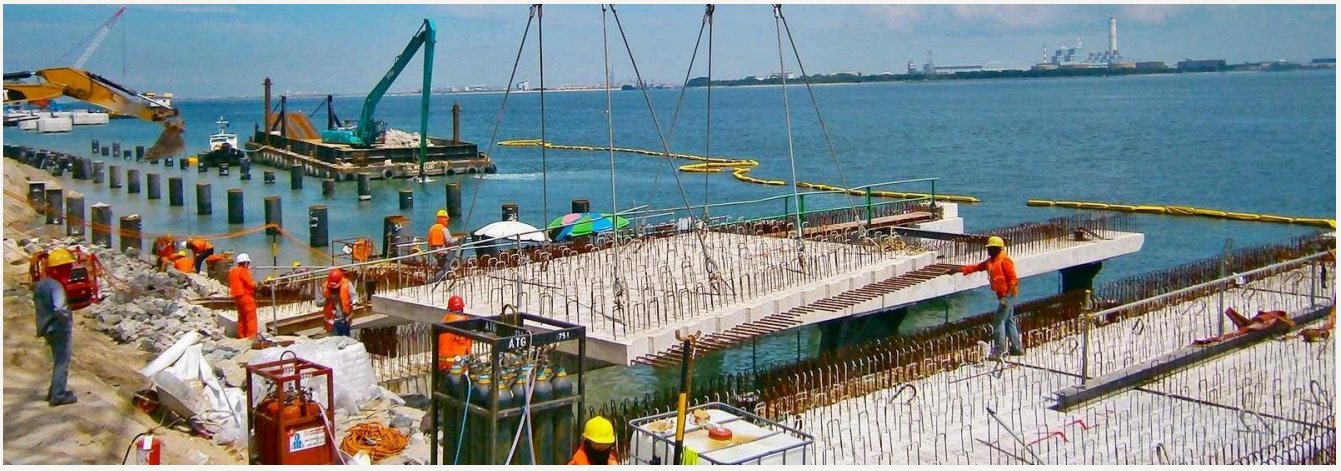
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PRODUCT CATALOGUE 2026

Silt Curtain

Turbidity Curtain · Silt Screen

Floating barriers that keep construction and dredging silt from spreading through the water.



EE-SC-01

Euro Silt Curtain – Tube Type

Strong tide, wave and wind

EE-SC-02

Euro Silt Curtain – Covering Head Type

Calm water, low external force

Custom depths and lengths to project requirements

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SILT CURTAIN

What it is

A silt curtain is a floating barrier that hangs down through the water column. When dredging, reclamation or runoff stirs up silt and stone dust, the curtain encloses the turbid water so the rest of the waterway stays clean.





Applications

- Protecting fish and sea farms near coastal construction
- Land reclamation works
- Revetment and shoreline construction
- River dredging and waterfront development

How it works

Slows the current

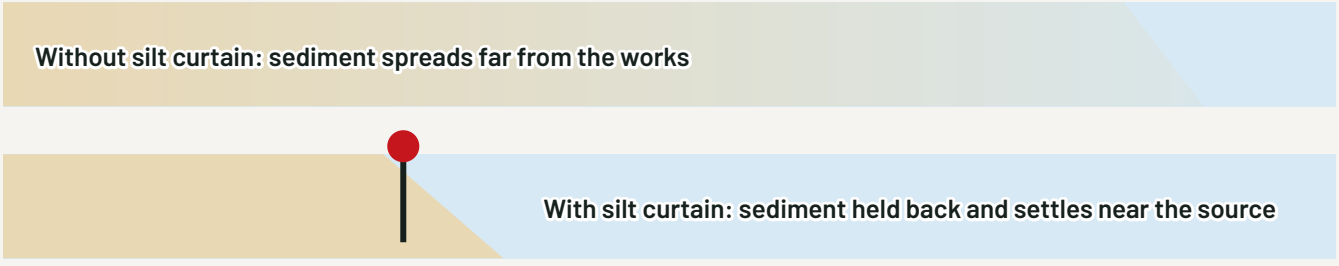
Water inside the curtain moves much slower than outside, so silt drops out instead of being carried away.

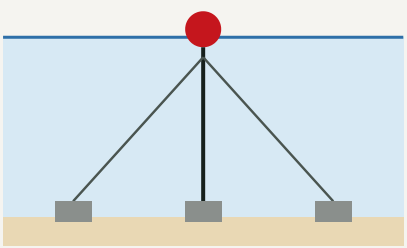
Speeds up settling

Held together, fine particles collide and clump, so they settle faster.

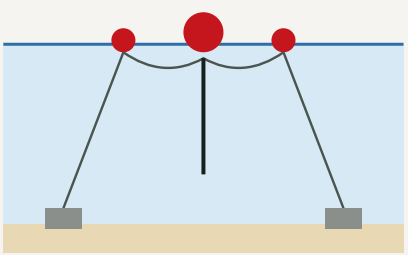
Shrinks the affected area

Silt settles within a much shorter distance, limiting pollution beyond the curtain.

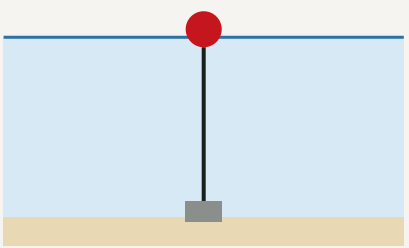




Standard installation



High tide and waves



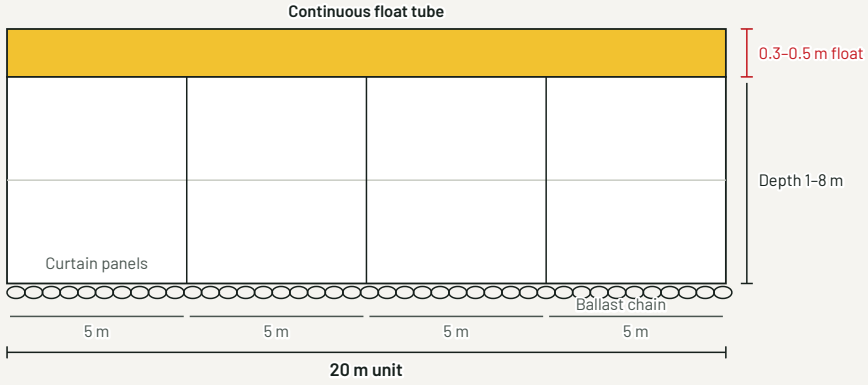
No tide or waves

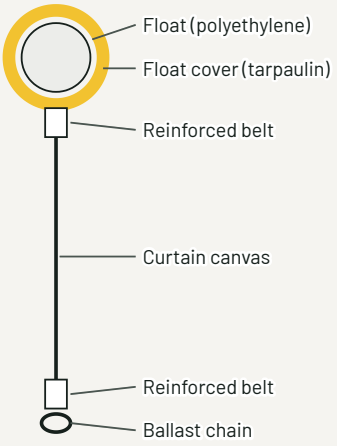
SILT CURTAIN

EE-SC-01 Euro Silt Curtain – Tube Type

FOR STRONG TIDE, WAVE AND WIND

A continuous float tube in a tarpaulin cover runs the full length of each unit, giving maximum buoyancy and stability in exposed water.

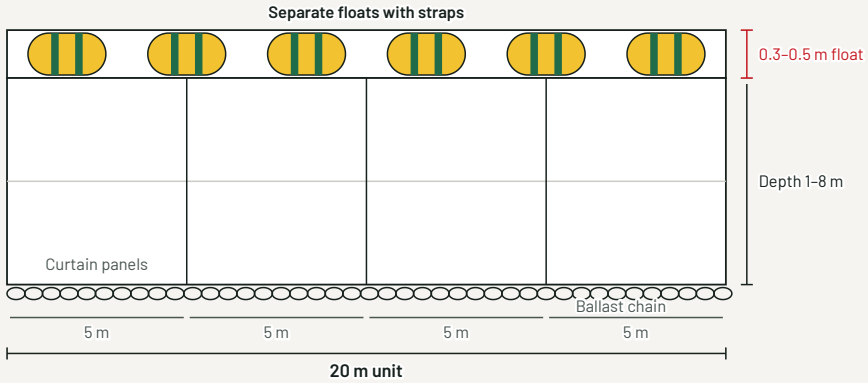


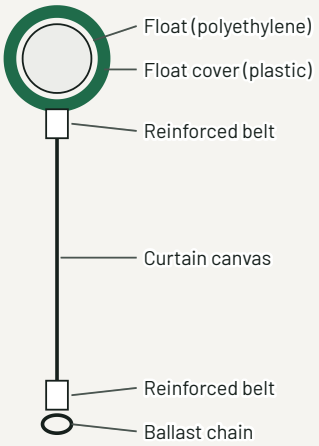


EE-SC-02 Euro Silt Curtain – Covering Head Type

FOR CALM WATER AND LOW EXTERNAL FORCE

Individual floats in plastic covers are strapped along the top, a lighter and more economical option for sheltered sites.





SILT CURTAIN – SPECIFICATIONS

Curtain fabric grades

Property	Unit	Test method	GS15	GS20	GS25	GS30
Unit weight	g/m²	ASTM D5261	450	650	750	900
Grab tensile strength	N	ASTM D4632	3,800	5,000	6,300	7,500
Wide-width tensile strength	kN/m	ASTM D4595	150	200	250	300
Grab elongation	%	ASTM D4632				10 – 30
Permeability	cm/s	ASTM D4491				[CONFIRM VALUE]
Rate of contraction	%	ISO 7771				0.2
Canvas material	—	ASTM D276				Polyester

Grades apply to both EE-SC-01 and EE-SC-02.

Standard dimensions

Unit length	**20 m (4 panels × 5 m)**
Curtain depth	**1 – 8 m**
Float zone height	**0.3 – 0.5 m**
Units joined	**End to end to any length**

Floats

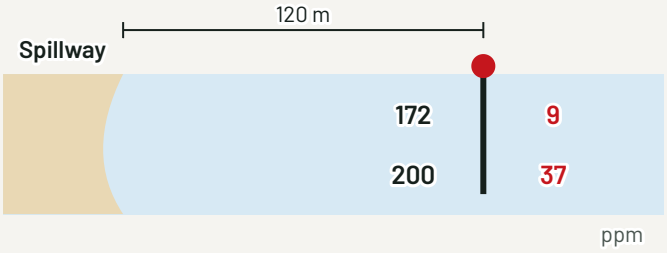
Diameter	**300 · 400 · 500 mm**
Material	**Virgin polyethylene**
Cover, EE-SC-01	**Tarpaulin tube**
Cover, EE-SC-02	**Plastic, strapped**

Why no recycled float material

Recycled plastic absorbs water faster once installed, which steadily reduces float buoyancy. Our floats use virgin material only, so the curtain stays at the surface for the life of the project.

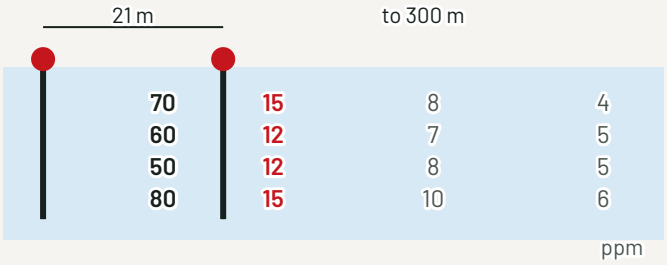
SILT CURTAIN – PROVEN PERFORMANCE

Turbidity measured inside and outside the curtain on three types of marine works, in parts per million (ppm). Reduction = (inside – outside) ÷ inside.



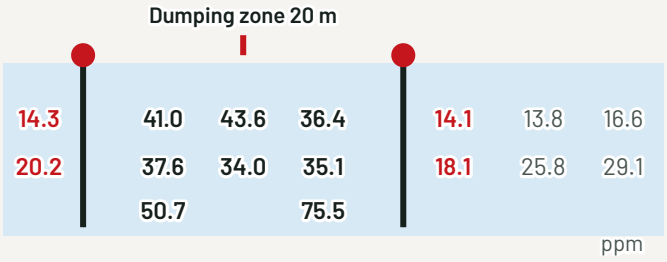
Case 1: Reclaiming work

Measurement	Inside → outside	Reduction
Surface	172 → 9 ppm	**94.8%**
Lower layer	200 → 37 ppm	**81.8%**



Case 2: Dredging work

Measurement	Inside → outside	Reduction
Point 1	70 → 15 ppm	**78.6%**
Point 2	60 → 12 ppm	**80.0%**
Point 3	50 → 12 ppm	**76.0%**
Point 4	80 → 15 ppm	**81.3%**



Case 3: Dumping at sea

Measurement	Inside → outside	Reduction
Upper layer, left	41.0 → 14.3 ppm	**65.1%**
Upper layer, right	36.4 → 14.1 ppm	**61.3%**
Mid layer, left	37.6 → 20.2 ppm	**46.3%**
Mid layer, right	35.1 → 18.1 ppm	**48.4%**

SILT CURTAIN – WORKSHOP & SITE

Fabrication







Delivery & installation








SILT CURTAIN – PROJECT REFERENCES

01 Reclamation works: supply, installation and maintenance for JPS Johor Bahru

Client	Karviec Engineering Sdn Bhd
Year	2016
Material	PET woven high strength, 200/200 kN
Quantity	5,000 m
Contract value	RM 2,250,000






02 Duty-free commercial complex (CIQ, duty-free shops and restaurants)

Client	APMC Sdn Bhd
Year	2024
Material	Silt curtain, 200/200 kN
Quantity	900 m length, 1 m depth
Contract value	RM 289,700






REQUEST A QUOTATION

Tell us your site. We'll size the curtain.

Quote the product code with water depth, total length, tide and wave conditions, and delivery location.

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