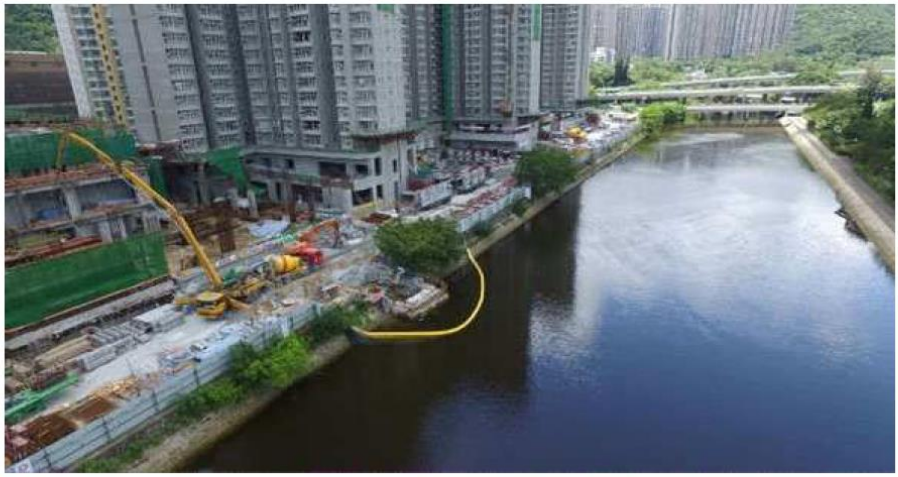
APPENDIX B
SILT CURTAIN CATALOGUE AND SPECIFICATION

Material Submission

G and E Silt Curtain



G AND E COMPANY LIMITED

14th Floor, Kiu Yin Commercial Building

361-363 Lockhart Road, Wanchai, HK

Tel: 2570 0103 Fax: 2570 0089

email:info@g-and-e.com website: www.g-and-e.com

December 2022

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1) **Manufacturing Company Profile**
   - An Introduction to G and E Company Limited

2) **Product Profile**
   - Typical Silt Curtain Drawing

3) **Product Specification**
   - Geotextile Specification
   - Component Material and Coating

4) **Certification**
   - ISO 9001:2015 Certificate

5) **Project Reference**
   - Project List
   - Photo References

An Introduction of G and E Company Limited

G AND E COMPANY LIMITED
14/F Kiu Yin Commercial Building
361 – 363 Lockhart Road, Wanchai, Hong Kong
Tel: 2570 0103 Fax: 2570 0089 e-mail: info@g-and-e.com
website: www.g-and-e.com

G and E – A Perspective

G and E, a geosynthetics specialist, distributes a full range of geosynthetics from renowned global manufacturers. The Company also manages a competent installation contracting service team. To better serve our clients, design and engineering service have also been established in our portfolio. We aspire to provide our client engineering solutions, from application and design, supply of materials and their installation, to conformance testing and project commissioning.

G and E takes a strong vision in geosynthetics application, sustainable construction, and development by working closely with engineering communities, consultants, academic, industry organizations, research institutions, testing laboratories, contractors and education bodies, a mission to broaden geosynthetics' versatility.



We offer comprehensive and competitive service to application, design, installation, and testing, with superior attentiveness, professionalism and international industry standard.



G and E is ISO 9001 quality management certified and a VSRS registered contractor, with a remarkably successful working relationship with a long list of clients, the government, stakeholders, contractors, designers, consultant engineers, overseas distributors and trading partners. The clientele extends to Macau, Southeast Asia and Southern China.

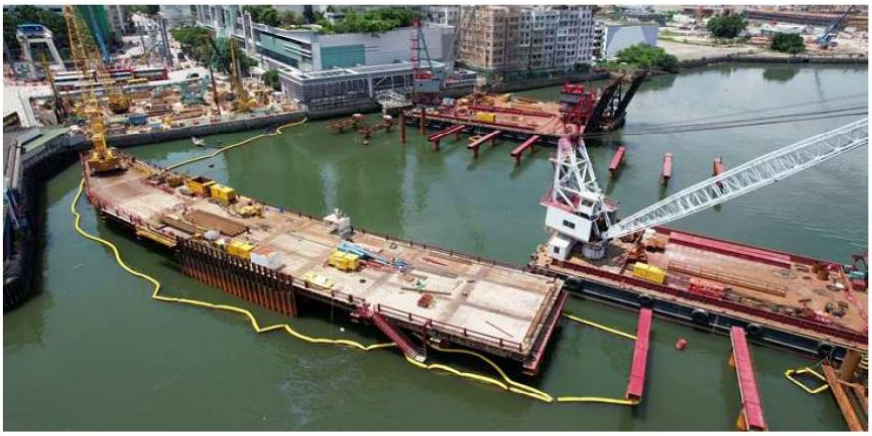
Talk to us today and see how our proposal can be an appropriate, cost-effective and time saving solutions. We are entering our 38th year in the industry, we have a library of experience to share and to support your project.

ISO9001:2015 | International Geosynthetics Society | Product Endorsement | Registered Subcontractor

July 2022

G AND E COMPANY LIMITED
14/F Kiu Yin Commercial Building
361 – 363 Lockhart Road, Wanchai, Hong Kong
Tel: 2570 0103 Fax: 2570 0089 e-mail: info@g-and-e.com
website: www.g-and-e.com

G and E runs a global distribution network and sourcing agent of geosynthetics, as well as a provider of professional design and installation services.



Central Kowloon Route – Kai Tak West (HY/2014/07)

The company handles a comprehensive range of geosynthetic materials:

GEOTEXTILE:	Woven, non-woven, thermal bonded, needle punched, spun bond, special weave & composite
GEOMEMBRANE:	PE, PVC & EPDM membrane, keyed preformed, conductive & concrete protection liner, gas barrier, waterproofing sheet, leakage collection, contamination treatment & effluent containment system
GEODRAIN:	Geonet, geocomposite, cuspated drain, band drain, PVD, sheet drain, relief drain, raking drain
GEOGRID:	Uni-axial, bi-axial & tri-axial geogrid and composite geogrid, reinforced fill construction
EROSION CONTROL:	Erosion mat, concrete mat, coir mat, geocell, gabion, wire & cable mesh, concrete canvas, flexible rockfall barrier
MARINE:	Silt curtain, turbidity control, block mat, geotextile tube, oil & trash boom, geobag, geotextile container, concrete mattress
CLAY LINERS:	Geosynthetic bentonite liner, GCL and composite
TUNNEL:	Waterproofing membrane, invert drainage void former, GFRP, strip drain, geodrain
LANDSCAPE:	Geotextile filter, root barrier, drainage composite, roof drain, tree anchor, rigid drainage cell, grass paver, zero irrigation system
SERVICE:	Geomembrane leak location survey, HDPE pipe, geosynthetics fabrication, repair & testing, crib wall, reinforced fill slope and wall, ground stabilization, land decontamination

July 2022

Silt Curtain Leaflet

G and E - Silt Curtain



G and E has established silt curtain fabrication facility in Korea, making full use of professional factory set up, trained and skill workers, availability of quality geotextile and components, efficient operation and fast delivery from Busan to Hong Kong. G and E Silt Curtain (GESC series) has standard unit and customized model.



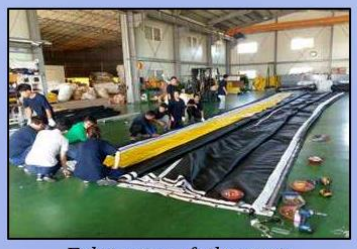
Typical proto-type

We can supply silt curtain systems with:

- Customize design & drawing based on requirements
- Engineer to site condition constraint
- Fabricate to specific depth and length
- Supplement with accessories and installation components



Handling of the silt curtain



Fabrication of silt curtain



Factory in Ansung, Korea

The silt curtain will be delivered in pre-assembled package, including the float, geotextile curtain, ballast chain, other accessories, readied for immediate deployment , anchor system is optional.

Silt Curtain Types

G and E Silt Curtain system comes in various types to suit all environments. There are:

- **Hanging type** - typical floating system to enclosed work area
- **Standing type** - suspended in mid water to allow marine traffic
- **Barge type** – for attachment to vessel or marine structure
- **Cover head type** - for coastal calm area
- **Frame type** - for enclosure of grab bucket
- **Double chain type** – a waving skirt to accommodate tidal change



Silt curtain at Lung Mei Beach, May 2018



Tung Chung New Town Extension - Reclamation and Advance Works, December 2018 (NL/2017/03)



TKO - Lam Tin Tunnel - Main Tunnel and Associated Works, April 2019 (NE/2015/01)



Central Kowloon Route - Kai Tak West, January 2019 (HY/2014/07)


Barge type


Cover head type


Double chain type

There are various sizes of float (buoyancy necessity), different grades of geotextile (strength requirement), a variety of steel plates (connection integrity), reinforcement belt (stiffening the curtain body) and several bottom chain (adequate ballast weight) to configurate the most appropriate system.

Silt Curtain Accessory

Optional accessories include sub-float to counter balance wave action, market buoy to identify anchor position, market light to signal alignment, fluke & ton bag anchor to replace anchor block as well as PP rope, shackle and anchor wire.


Anchor wire & cable

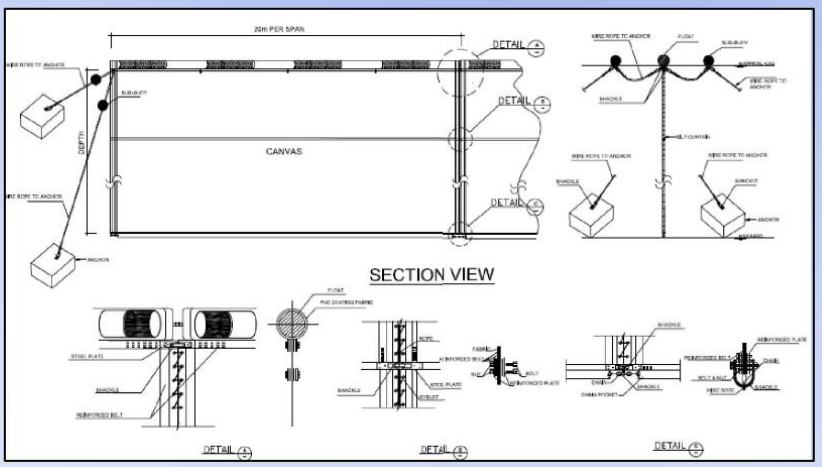

Marker light


Marker buoy


Sand bag anchor


Rope & shackle

Typical Design Drawing of Silt Curtain




Fluke anchor


Sub float

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website: www.g-and-e.com

Geotextile Specification

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website: www.g-and-e.com

GESC Silt Curtain Specification

Silt curtain system	Material	GESC-15
Silt Curtain Length	-	Length 10m / 15m / 20m per span
Silt Curtain Depth	-	Depth up to 15m
Float element	-	300mm - 480mm diameter float
Type of Silt Curtain	-	Hanging type
Fabrication	-	Fabricate in Korea

Geotextile	Unit	Test Method	GESC-15
Geotextile Model	-		SN15
Tensile Strength	kN/m	ISO 10319	150/150
Elongation	%	ISO 10319	20
Coefficient of permeability (h=50mm)	cm/sec	ISO 11058	>1.0 x 10^{-2}
Weight	g/m2	ISO 9864	400
Material	-		Polypropylene
Colour	-		White
Recommended application			Medium term project in sheltered water (Normally, the silt curtain under sea water without external destruction, it can keep about 1-2 years)

Silt Curtain
Component Material and Coating

Silt Curtain
Component Material and Coating

Item	Material	Coating
Eyelet	0.2% Low Carbon Mild Steel	Painting (oil-based paint)
Steel Plate		Galvanized (50 - 80µm)
Reinforced Steel Plate		Hot Dip Galvanize (over 80µm)
Bolt & Nut		Galvanized (50 - 80µm)
Ballast Chain		Coal Tar Painting
Shackle		Galvanized (50 – 80µm)

ISO 9001:2015 Certificate

REGISTRATION CERTIFICATE

this is to certify that the management system of

G and E Company Limited.

have been assessed by A CUBE TIC LIMITED and registered against the requirements of

ISO 9001:2015

scope of registration

General Construction installation work Service and sales of Construction material such as Geosynthetics

14/F Kiu Yin Commerical Building361-363 Lockhart Road, Wan Chai, Hong Kong

Sites Registered		
28		21/16729
EAC		Certificate Number
22nd January 2014	27th March 2024	27th March 2027
Date Original Registration	Date Of Re-registration	Expiry Date
27th January 2027	N/A	N/A
Next Re-Audit Due Date	Revision Date	Previous Expiry Date

Alfonso Pagliuca, President & Founder, A Cube TIC Limited

UKAS MANAGEMENT SYSTEMS 0273

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

ACT

This certificate is the property of A Cube TIC Limited Unit 5 Middle Bridge Business Park Bristol Road Portishead Bristol BS20 6PN UK and must be returned on request.

Job Reference List

G and E Silt Curtain

Date	Project	Client	Consultant	Model	Size (W x Lm)	No. of Span
Jul-03	CV/2002/04 Penny's Bay Reclamation Stage 2	Gammon Construction Ltd	Scott Wilson Ltd		20 x 5 10 x 5	86 256
May-13	DC/2011/01 Drainage Maintenance and Construction in Mainland South Districts (2011-2015)	World Diamond Engineering Ltd	Drainage Services Department	GSP 15	20 x 5 5 x 3 2 x 3 13 x 3	1 10 1 4
Apr-14	HY/2012/07 Dual 2-lane carriageway between HZMB BCF and North Lantau Highway	Gammon Construction Ltd	AECOM Asia Co Ltd	DSP15	20 x 6 20 x 7 20 x 9	24 10 10
Mar-15	16/WSD/11 Replacement and rehabilitation of water mains at Peng Chau, Sunshine Island and Hei Ling Chau	Pipe Tech Ltd MIRDTEC HK Ltd	AECOM Asia Co Ltd	DSP 15 DSP 15 DSP 15	20 x 0.6 20 x 1.2 20 x 1.5	1 22 6
Mar-15	P552 Deep Cement Mixing Trial Works	Penta Ocean Construction Co Ltd	Atkins China Ltd & Mott MacDonald	DSP30 DSP30	20 x 8 25 x 8	2 6
Dec-15	HK/2012/08 Wan Chai Development Phase II - Central Wan Chai Bypass at Wan Chai West	China State - Leader JV	AECOM Asia Co. Ltd	DSP30 DSP30 DSP15 DSP15 DSP15	20 x 10 10 x 5 20 x 10 20 x 9 20 x 8	6 6 5 5 5
Dec-16	C3203 3rd Runway System Project DCM Ground Improvement Works (Package 3)	Sambo E & C Co Ltd	Atkins China Ltd & Mott MacDonald	DSP 30 Barge Type	10 x 4 10 x 2 9 x 4 9 x 1.6 9 x 2.8 9 x 1.8 9 x 2	46 2 246 4 2 2 2
Dec-16	C3204 3rd Runway System Project DCM Ground Improvement Works (Package 4)	CRBC-Sambo JV	Atkins China Ltd & Mott MacDonald	DSP30	6 x 5.3 6 x 11.3 6 x 12.3 6 x 12.8 6 x 13.8 6 x 6 20 x 3	2 2 20 4 4 100 10
Jan-17	C3201 3rd Runway System Project DCM Ground Improvement Works (Package 1)	Penta Ocean-China State- Dong Ah JV	Atkins China Ltd & Mott MacDonald	DSP 30	6 x 8	154
Feb-17	P560 Aviation Fuel Pipeline Diversion Works	Kat Yue Construction Engineering Ltd	Mott MacDonald HK Ltd	DSP15	20 x 1.5	8
Jul-17	Refuse Boom at Tai O by World Wide Fund	G and E Co. Ltd	World Wide Fund	DSP15	20 x 0.5	3
Aug-17	Lyric Theater Complex and Extended Basement Project for the WKCD Authority	Gammon Construction Ltd	AECOM Asia Co. Ltd / Mott Macdonald HK Ltd	DSP15	20 x 8	6
Mar-18	HK/2009/02 Wan Chai Development Phase II Central - Wanchai Bypass at Wanchai East	Chun Wo - CRGL JV	AECOM Asia Co Ltd	DSP15	20 x 7	13
Apr-18	NL/2017/03 Tung Chung New Town Extension - Reclamation and Advance Works	Build King - SCT JV	AECOM Asia Co Ltd	DSP15	20 x 4.7 20 x 6.4 20 x 6.9	699 90 37

G and E Silt Curtain

Date	Project	Client	Consultant	Model	Size (W x Lm)	No. of Span
					20 x 7.4	33
Apr-18	NE/2017/01 TKO - Lam Tin Tunnel Road - TKO Interchange and Associated Works	CW - STEC - CMGC JV Sam Woo Bore Pile Foundation Ltd	AECOM Asia Co Ltd	DSP15 Barge Type	14 x 4 14 x 5 14 x 6 12 x 5 12 x 6 14 x 10 14 x 14 14 x 12	28 44 46 36 18 10 10 22
May-18	NE/2015/01 TKO - Lam Tin Tunnel - Main tunnel and associated works	Leighton - China State JV	AECOM Asia Co Ltd	Silt Curtain	20 x 0.8 20 x 10	20 56
Jun-18	Lago Nam Van, Macau	Sunley Engineering & Construction Co Ltd	WSP	DSP15	20 x 1.1 20 x 1.9	17 3
Jun-18	Sai Sha Road Widening between Kam Ying Road and Future Trunk Road T7	Gammon Construction Ltd	Highways Dept	DSP15	14 x 1.5	2
Oct-18	HY/2014/07 Central Kowloon Route - Kai Tak West	Gammon Construction Ltd	Arup - Mott MacDonald JV	GESC-15	10 x 3 20 x 2 20 x 3 20 x 4 20 x 4.5 20 x 5 20 x 6 20 x 7 20 x 7.5 15 x 7.5	1 2 1 10 2 17 18 13 11 2
Nov-18	Proposed Residential Development at Site N TKOTL 70RP, Lohas Park Package 6	Hip Hing Construction Co Ltd	Meinhardt (M&E) Ltd	GESC 15	20 x 1.5 10 x 1.5	1 2
Nov-18	YL/2017/03 Development of Lok Ma Chau Loop; Land Decontamination and Advance Engineering Works	Sang Hing - Kuly Joint Venture	Black & Veatch Hong Kong Ltd	GESC15	20 x 2	14
Jan-19	C340B 輕軌媽閣站主體建造工程 - 臨時道路工程	Hai Fai Construction	AECOM Asia Co Ltd	DSP 15	20 x 3	12
Apr-19	NE/2016/01 Site formation and infrastructure work for development of Anderson Road quarry site	Chun Wo - STE Vasteam JV	AECOM Asia Co Ltd	GESC 15	10 x 4	4
Jun-19	HY/2014/16 Hiram's Highway Improvement Stage 1 - Between Clearwater Bay Road and Marina Cove	China State Construction Engineering (Hong Kong) Limited	Meinhart Infrastructure and Environmental Ltd	GESC 15	20 x 4 15 x 2.5	5 2
Aug-19	金銀島名勝世界酒店	駿晟工程有限公司		GESC 15	20 x 3	40
Sep-19	HEC 18/8004 Lamma Power Station Extension - Unit 12, New LPS - LMX Cable Bridge	Sunley Engineering & Construction Co Ltd	HK Electric Co Ltd	GESC 15	4 x 1 10 x 2	2 4
Dec-19	NKIL 6575 Proposed Residential Development, Kai Tak	China Overseas Building Construction Ltd	SYW & Associates Ltd	GESC 15	20 x 4	3
Mar-20	EP/SP/9/91 Development and Management of West New Territories (WENT) Landfill	SUEZ NWS R & R (Hong Kong) Ltd	Black & Veatch Hong Kong Ltd	GESC 15	15 x 2 15 x 2.5 20 x 2 20 x 1.5	1 1 1 2

G and E Silt Curtain

Date	Project	Client	Consultant	Model	Size (W x Lm)	No. of Span
					20 x 4	1
Mar-20	13/WSD/17 First Stage of Desalination Plant at TKO	China State Construction Engineering (Hong Kong) Limited Friendly Benefit Engineering Ltd	Black & Veatch Hong Kong Ltd	GESC 15	10 x 6 10 x 10 15 x 10 20 x 6 20 x 13 20 x 15	8 14 4 9 4 7
Apr-20	EP/SP/66/12 Integrated Waste Management Facilities Phase 1	Zhen Hua Engineering Co Ltd	AECOM Asia Co Ltd	GESC 10	20 x 2 20 x 5	40 15
Apr-20	HEC 18_8005 Lamma Power Station Navigation Channel Improvement	UDL Holding Ltd	HK Electric Co Ltd	GESC-15	18 x 7 18 x 10	8 8
Apr-20	DC/2017/01 Construction of dry weather flow interceptor at Cherry Street Box culvert	B.C. Contractors Ltd	Black & Veatch Hong Kong Ltd	GESC-15	20 x 2	5
Jun-20	Development of Industrial Estate 2.0 Project C - Advanced Manufacturing Center	Friendly Benefit Engineering Ltd	Andrew Lee King Fun & Associates Architects	GESC-15	20 x 7 20 x 7	5 8
Aug-20	CV/2016/09 CEDD Maintenance contract for piers (2017-2022)	Sun Fook Kong (Civil) Limited	Civil Engineering and Development Department, Port	GESC-15	15 x 3	2
Oct-20	C18W10 North Commercial District Footbridge	Friendly Benefit Engineering Ltd	Mott MacDonald	DSP-15	20 x 8.5	5
Nov-20	C19W10 Intermodal Transfer Terminal - Bonded Vehicular Bridge	Will Pak Engineering Ltd	Mott MacDonald	GESC-15	10 x 8 14 x 10 14 x 11 20 x 8 20 x 10	2 16 4 6 18
Jan-21	C18W02 Intermodal Transfer Terminal Building	Build King Construction Ltd	AECOM Asia Co Ltd	GESC-15	20 x 7	3
Jan-21	19-83014 Lamma Power Station Extension	Paul Y. Construction Co. Ltd	Arcadis	GESC-15	15 x 3.5	3
Feb-21	NKIL 6574 Kai Tak Area 4B, Site 3	China Overseas Building Construction Ltd	New World Development Co. Ltd	GESC-15	20 x 4	2
Aug-21	Offshore LNG Terminal	Yun Lee Marine Holdings Ltd Tapbo Civil Engineering Co. Ltd	ARUP	GESC-15	20 x 2 20 x 4 20 x 6 20 x 16	30 5 60 15
Aug-21	C3802 APM / BHS Tunnels	Gammon Engineering & Construction Co. Ltd	Mott MacDonald	GESC-15	20 x 4.7	3
Dec-21	Aviation Fuel Receiving Facility at Sha Chau	Kat Yue Construction Engineering Ltd	ERM	Oil Fence	20 x 0.7	6
Mar-22	DC/2018/03 Expansion of Sha Tau Kok Sewage Treatment Works, Phase 1	Maritime Construction Engineering Ltd	Binnies Hong Kong Ltd	GESC-15	20 x 9	9
Mar-22	DC/2020/02 Construction of San Shek Wan Sewage Treatment Works, Associated Submarine Outfall and Pui O Sewerage Works	Maritime Construction Engineering Ltd	Black & Veatch Hong Kong Ltd	GESC-15	20 x 9.5 12 x 9.5	16 1

G and E Silt Curtain

Date	Project	Client	Consultant	Model	Size (W x Lm)	No. of Span
Apr-22	NL/2020/05 Tung Chung New Town Extension - Site Formation and Infrastructure Works at Ma Wan Chung	Build King - Richwwell Civil JV	Ove Arup and Partners HK Ltd	GESC-15	20 x 2.2	10
May-22	ND/2019/02 Kwu Tung North New Development Area, Phase 1	Chun Wo - Kwan Lee JV	AECOM Asia Co	GESC-15	20 x 3.5	4
Sep-22	1002EM19A Additional District Cooling System at the Kai Tak Development	Paul Y - Qianhai JV	Ove Arup and Partners HK Ltd	GESC-15		

Photo References

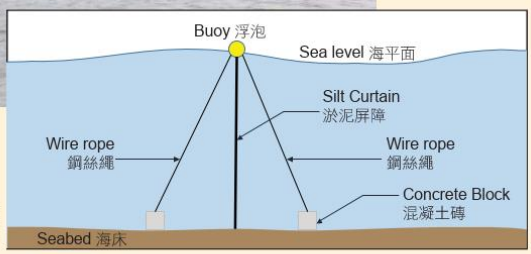
防止水質污染 – 淤泥屏障
Prevention of Water Pollution – Silt Curtain

淤泥屏障是填海工程期間避免水質污染的緩解措施之一。在整個施工期間，填海區外圍以淤泥屏障隔離，以減低施工時對水質的影響。於每天施工前，工程人員須檢查淤泥屏障的狀況，包括其完整性及位置，確保淤泥屏障正確安裝及有效運作後，方可施工。另外潛水員會定期對淤泥屏障進行水底檢查。如發現任何破損，會即時維修或更換，以防止水質污染。

Provision of silt curtain is one of the mitigation measures to prevent the water pollution in reclamation works. During the course of construction, silt curtains are installed at the periphery of the reclamation area in order to minimise the impact on water quality. Our staff conduct daily check of the condition of the installed silt curtains prior to works commencement, including its integrity and location, so as to ensure the silt curtains are installed properly and function effectively. Furthermore, our diving team inspects the underwater condition of silt curtains regularly. In case of any defects found, the project team will repair or replace silt curtains immediately in order to prevent water pollution.



淤泥屏障
Silt curtains



淤泥屏障橫切面圖
Cross section of Silt curtain

資訊與聯絡
Information and Enquiries

如欲了解更多資料，請瀏覽東涌新市鎮擴展工程項目網頁：

For further information, please visit the website of Tung Chung New Town Extension project:

http://www.tung-chung.hk

如對東涌新市鎮擴展 – 填海及前期工程有任何意見及建議，歡迎提出。

Your views and comments on Tung Chung New Town Extension - Reclamation and Advance Works are welcome.

24 小時熱線 24-hour hotline **5976 1853**

電郵 email **enquiry@nl201703-bsjv.com**

DEVELOPMENT and CONSERVATION of LANTAU 發展及保育大嶼山

CEDD 土木工程拓展署 Civil Engineering and Development Department

AECOM

SAMSUNG Build King SAMSUNG C&T BUILD KING - SCT JOINT VENTURE

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Date	July 2022
Project	Contract No. DC/2018/03 Expansion of Sha Tau Kok Sewage Treatment Works, Phase 1
Client	Drainage Services Department
Consultant	Binnies Hong Kong Ltd
Main Contractor	Maritime Construction Engineering Ltd
Works	Turbidity Control
Material	Silt Curtain
Quantity	9 spans

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Date	March 2020
Project	Contract No. EP/SP/9/91 Development and Management of West New Territories (WENT) Landfill
Client	Environmental Protection Department
Consultant	Black & Veatch Hong Kong Ltd
Main Contractor	SUEZ NWS R&R (Hong Kong) Ltd
Works	Silt Trap at Outfall
Material	Silt Curtain
Quantity	1 span

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Date	August 2021
Project	Construction of Hong Kong Offshore Liquefied Natural Gas Terminal
Client	CLP Power Hong Kong Limited
Consultant	ARUP
Main Contractor	Yun Lee (Tim Kee) Marine Construction Ltd
Works	Turbidity Control
Material	Silt Curtain
Quantity	110 spans

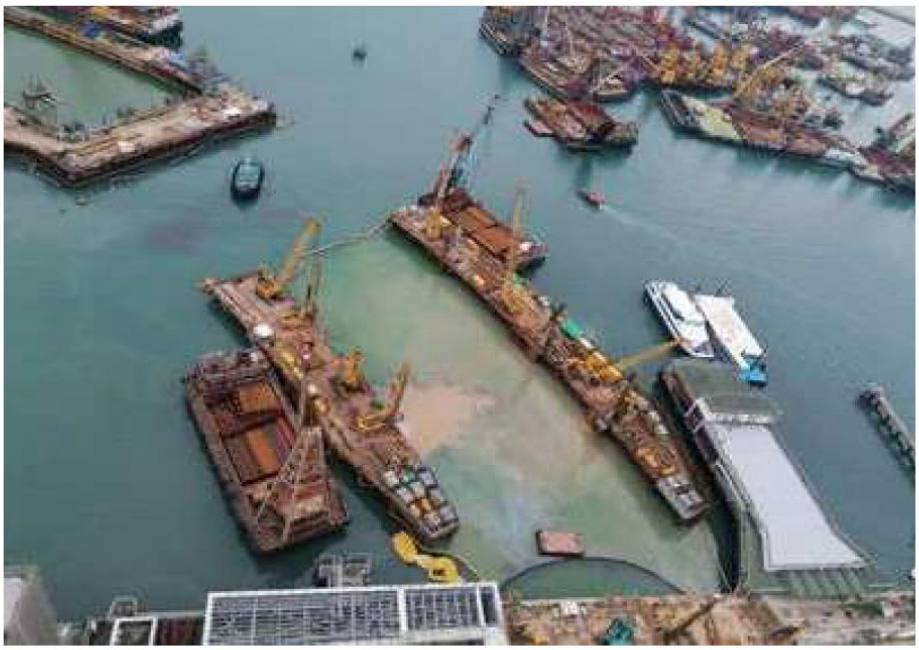
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website: www.g-and-e.com



Date	April 2018
Project	Contract No. NL/2017/03 Tung Chung New Town Extension - Reclamation and Advance Works
Client	Civil Engineering Development Department
Consultant	AECOM Asia Co Ltd
Main Contractor	Build King - Samsung C & T JV
Works	Turbidity Control
Material	Silt Curtain
Quantity	859 spans

香港 國際機場 HONG KONG INTERNATIONAL AIRPORT

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14/F Kiu Yin Commercial Building
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Wanchai, Hong Kong
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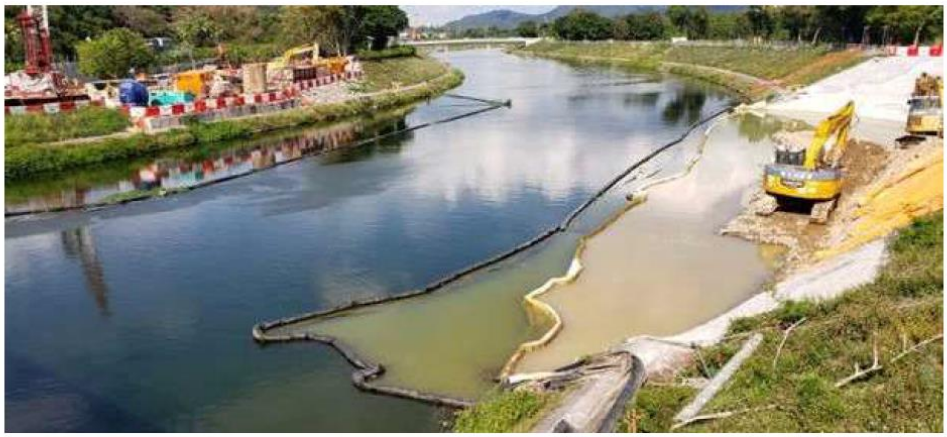
Date	October 2018
Project	Contract No. HY/2014/07 Central Kowloon Route - Kai Tak West
Client	Highways Department
Consultant	Arup - Mott MacDonald JV
Main Contractor	Gammon Construction Ltd
Works	Turbidity Control around Piles
Material	Silt Curtain
Quantity	37 spans

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e-mail: info@g-and-e.com website: www.g-and-e.com



Date	May 2021
Project	Contract No. C19W10 Intermodal Transfer Terminal - Bonded Vehicular Bridge
Client	Hong Kong International Airport
Consultant	Mott MacDonald
Main Contractor	Will Pak Engineering Ltd
Works	Turbidity Control
Material	Silt Curtain
Quantity	46 spans

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Tel: 852-2570 0103 Fax: 852-2570 0089
website: www.g-and-e.com



Date	December 2020
Project	Contract No. ND/2019/04 Fanling North New Development Area, Phase 1: Fanling Bypass Eastern Section
Client	Civil Engineering & Development Department
Consultant	AECOM Asia Co. Ltd
Main Contractor	DCK JV
Works	Turbidity Control
Material	Silt Curtain
Quantity	14 spans

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Date	January 2021
Project	Contract No. HKE 19_38014 Lamma Power Station Extension
Client	HK Electric
Consultant	Arcadis
Main Contractor	Paul Y. Construction Co. Ltd
Works	Turbidity Control
Material	Silt Curtain
Quantity	3 spans

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Date	December 2018
Project	Contract No. YL/2017/03 Development of Lok Ma Chau Loop; Land Decontamination and Advance Engineering Works
Client	Civil Engineering and Development Department
Consultant	Black & Veatch Hong Kong Ltd
Main Contractor	Sang Hing - Kuly Joint Venture
Works	Turbidity Control
Material	Silt Curtain
Quantity	14 spans

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Date	June 2020
Project	Contract No. 13/WSD/17 First Stage of Desalination Plant at TKO
Client	Water Supplies Department
Consultant	Black & Veatch Hong Kong Ltd
Main Contractor	China State Construction Engineering (Hong Kong) Limited
Works	Turbidity Control
Material	Silt Curtain
Quantity	46 spans

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Date	October 2020
Project	Development of Industrial Estate 2.0 Project C - Advanced Manufacturing Center
Client	Hong Kong Science and Technology Parks Corporation
Consultant	Wong & Ouyang (Building Services) Ltd
Main Contractor	Gammon Construction Ltd Friendly Benefit Engineering Ltd
Works	Turbidity Control
Material	Silt Curtain
Quantity	9 spans

香港 國際機場 HONG KONG INTERNATIONAL AIRPORT

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Date	August 2020
Project	EP/SP/66/12 Integrated Waste Management Facilities Phase 1
Client	Environmental Protection Department
Consultant	AECOM Asia Co. Ltd
Main Contractor	Zhen Hua Engineering Co. Ltd
Works	Marine Park Protection
Material	Silt Curtain
Quantity	25 spans

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Date	March 2020
Project	Contract No. EP/SP/9/91 Development and Management of West New Territories (WENT) Landfill
Client	Environmental Protection Department
Consultant	Black & Veatch Hong Kong Ltd
Main Contractor	SUEZ NWS R&R (Hong Kong) Ltd
Works	Site Drainage Outfall Silt Control
Material	Silt Curtain
Quantity	1 span

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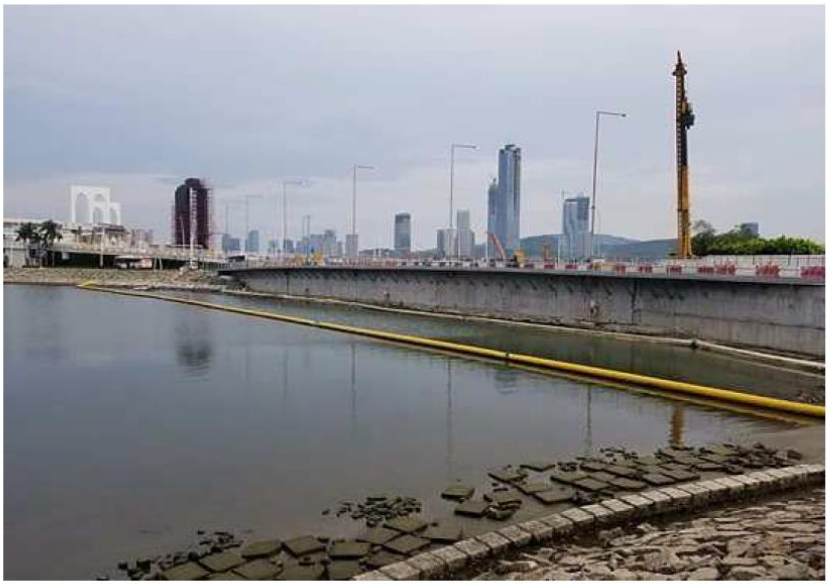
Date	June 2018
Project	Lago Nam Van, Macau
Client	Direcção dos Serviços De Protecção Ambiental of Macau
Consultant	WSP
Main Contractor	Sunley Engineering & Construction (Macau) Co Ltd
Works	Environmental Mitigation Measure
Material	Silt Curtain
Quantity	20 spans

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Date	May 2019
Project	Contract No. NE/2016/01 Site Formation and Infrastructure Works for Development of Anderson Road Quarry
Client	Civil Engineering and Development Department
Consultant	AECOM Asia Co Ltd
Main Contractor	Chun Wo - STEC - Vasteam JV Tinkle Construction Engineering Co Ltd
Works	Site Drainage Outfall Silt Control
Material	Silt Curtain
Quantity	4 spans

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Date	January 2019
Project	C340B Main works for Barra Station, Macau
Client	MTR Railway Operations (Macau) Company Limited
Consultant	AECOM Asia Ltd
Main Contractor	China State Construction Engineeering Ltd
Works	Tubidity Control
Material	Silt Curtain
Quantity	12 spans

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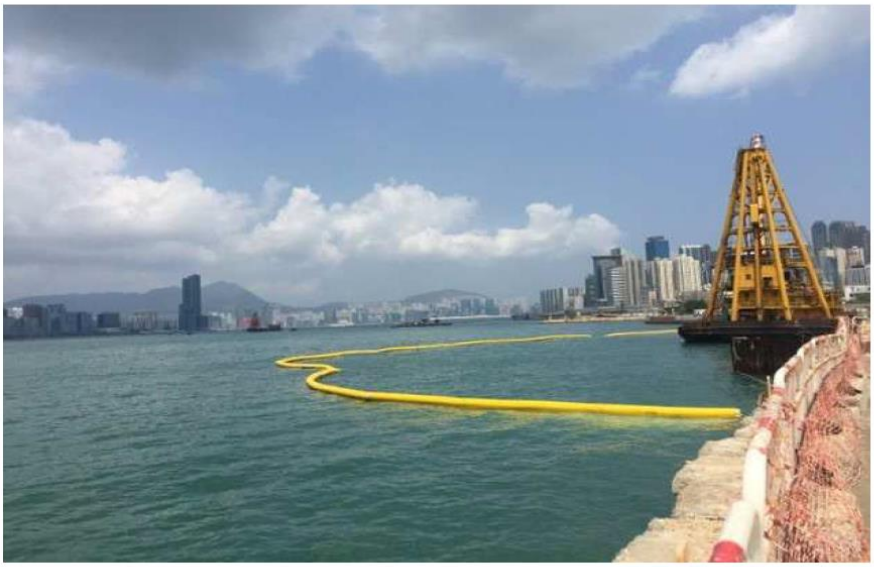
Date	October 2018
Project	Contract No. HY/2014/07 Central Kowloon Route - Kai Tak West
Client	Highways Department
Consultant	Arup - Mott MacDonald JV
Main Contractor	Gammon Construction Ltd
Works	Turbidity Control
Material	Silt Curtain
Quantity	30 spans

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Date	July 2017
Project	"ALL Hands on Deck", Reduce Ocean Gabbage Campaign
Client	Worldwide Fund for Nature Hong Kong
Consultant	G and E Company Limited
Main Contractor	G and E Company Limited
Works	Refuse Boom
Material	Silt Curtain
Quantity	3 spans

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Date	March 2014
Project	Contract No. HK/2009/02 Wan Chai Development Phase II Central - Wan Chai Bypass Wan Chai East
Client	Civil Engineering and Development Department
Consultant	AECOM (Asia) Ltd
Main Contractor	Chun Wo - CRGL Joint Venture
Works	Turbidity Control
Material	Silt Curtain
Quantity	13 spans

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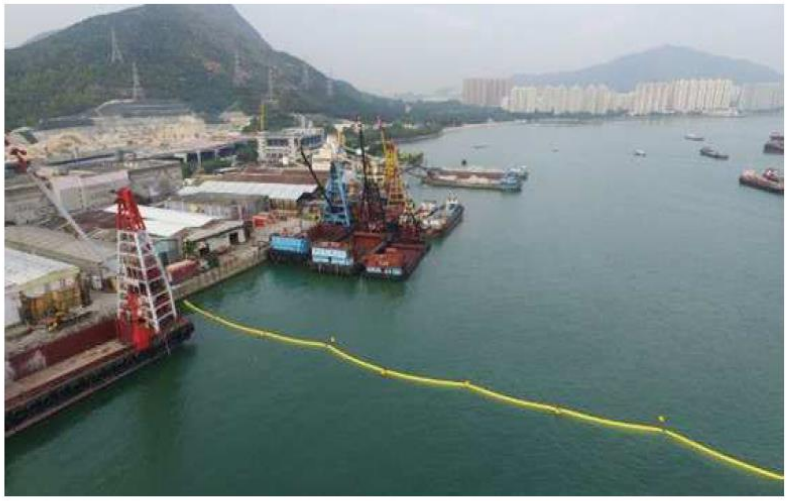
Date	April 2017
Project	Contract No. HKHA20120023 Public Rental Housing, Shek Mun Estate
Client	Housing Authority
Consultant	Housing Authority
Main Contractor	Hin Sum Engineering Co. Ltd
Works	Turbidity Control
Material	Silt Curtain
Quantity	2 spans

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Date	October 2016
Project	Contract C3201 Three Runway System Project Deep Cement Mixing Works (Package 1)
Client	Hong Kong Airport Authority
Consultant	Atkins in association with Mott MacDonald
Main Contractor	Penta Ocean-China State - Dong Ah JV
Works	Turbidity Control
Material	Silt Curtain Barge Type
Quantity	154 spans

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Date	June 2014
Project	Contract No. HY/2012/08 Tuen Mun - Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section
Client	Highways Department
Consultant	AECOM Asia Co. Ltd
Main Contractor	Dragages - Bouygues JV
Works	Turbidity Control
Material	Silt Curtain
Quantity	85 spans

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Date	March 2016
Project	Asia Pacific Gateway (APG) - Tseung Kwan O Section
Client	China Mobile International Limited
Consultant	Environmental Resources Management
Main Contractor	Maritime Mechanic Ltd
Works	Turbidity Control
Material	Silt Curtain
Quantity	12 spans

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Date	May 2014
Project	HY/2012/07 Tuen Mun - Chek Lap Kok Link- Sothern Connection Viaduct Section
Client	Highway Department
Consultant	AECOM Asia Co. Ltd
Main Contractor	Gammon Construction Ltd
Works	Turbidity Control
Material	Silt Curtain
Quantity	44 spans

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Date	February 2014
Project	HY/2012/07 Tuen Mun - Chek Lap Kok Link- Sothern Connection Viaduct Section
Client	Highway Department
Consultant	AECOM Asia Co. Ltd
Main Contractor	Gammon Construction Ltd
Works	Silt Curtain
Material	Woven Geotextile Bontec SG110/110
Quantity	10,500 sqm

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Date	April 2015
Project	Contract No. 16/WSD/11 Replacement and Rehabilitation of Water mains, Stage 4 Phase 2
Client	Water Supplies Department
Consultant	AECOM Asia Company Limited
Main Contractor	Pipe Tech Ltd
Works	Turbidity Control
Material	Silt Curtain
Quantity	6 spans

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Date	March 2015
Project	Contract No. P552 Deep Cement Mixing Trial Works
Client	Hong Kong Airport Authority
Consultant	Atkins - Mott MacDonald
Main Contractor	Penta Ocean Construction Co Ltd
Works	Turbidity Control
Material	Silt Curtain Barge Type
Quantity	8 Spans

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Date	September 2013
Project	DC/2011/01 Drainage Maintenance and Construction in Mainland South Districts (2011-2015)
Client	Drainage Service Department
Consultant	Drainage Service Department
Main Contractor	Paul Y. Construction Co. Ltd
Works	Inflow Interceptor
Material	Silt Curtain
Quantity	16 spans

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Date	December 2015
Project	Contract No. HK/2012/08 Wan Chai Development Phase II - Central Wan Chai Bypass at Wan Chai West
Client	CEDD
Consultant	AECOM Asia Co. Ltd
Main Contractor	China State Construction Engineering Co. Ltd
Works	Turbidity Control
Material	Silt Curtain
Quantity	27 spans

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Date	May 2013
Project	Contract No. HK/2012/08 Wan Chai Development Phase II - Central Wan Chai Bypass at Wan Chai West
Client	CEDD
Consultant	AECOM Asia Co. Ltd
Main Contractor	China State Construction Engineering Co. Ltd
Works	Silt Curtain
Material	Woven Geotextile Bontec SG110/110
Quantity	42,000 sqm

Clarification Email from the Proposed Supplier "G & E Co Ltd

From: Natural Tsui <natural@g-and-e.com>
Sent: Tuesday, February 28, 2023 3:36 PM
To: LM Yuen <yuenlm@prosperch.com>
Cc: <HK River> FAN Tao <tqfan@163.com>; HKR-吴春 <wuchun72@163.com>; 李岩 <liyans163@163.com>; Aidan Law <aidanlaw@prosperch.com>
Subject: RE: DC/2019/09 - Material Submission - Silt Curtain

Dear Mr. Yuen,

Please see the below comparison table of DSP15 & GESC-15:

Proporties	Geonia DSP15 Silt Curtain	GESC-15 Silt Curtain	Remark
Tensile strength of silt curtain	150kN/m	150kN/m	In section 2.1 details of the proposed silt curtain part B - Deployment of Silt Curtain. As specified of DSP15 silt curtain properties, the tensile strength 150kN/m geotextile for silt curtain to be used, float device using high tenacity colored yarn with PVC coated fabric and 5kg chain. GESC-15 silt curtain properties and performance are same as DSP15. Therefore which is equivalent to DSP15
Float size	D500	D500	
Float cover material	High tenacity yarn with yellow colour PVC coated	High tenacity yarn with yellow colour PVC coated	
Chain weight	5kg	5kg	
Eyelet Coating	Painting (Oil based paint)	Painting (Oil based paint)	Components coating requirement of DSP15 and GESC15 are the same. Hence, they are same durability.
Steel Plate Coating	Galvanized (50-80um)	Galvanized (50-80um)	
Reinforced Steel Plate Coating	Hot dip Galvanized (50-80um)	Hot dip Galvanized (50-80um)	
Bolt & Nut Coating	Galvanized (50-80um)	Galvanized (50-80um)	
Chain Coating	Coal Tar Painting	Coal Tar Painting	

The GESC-15 silt curtain material properties, performance and durability is equivalent to DSP15.

Regards,
Natural
G and E Co Ltd