

Selectable 2 or 3 Dimensional Current Meter

Compact, cost-effective, high-accuracy meters with vector-averaged current speed and direction

Enhanced Design, Specifications, Performance

The Falmouth Scientific, Inc. enhanced Acoustic Current Meter delivers extremely precise 2 or 3 dimensional velocity measurements (user selectable) in a defined free field. The **ACM-PLUS** uses the most accurate and stable current measurement techniques available today and is configured with standard features that are options on competitive instruments such as **extended on-board data memory, fast download capability, high accuracy real-time clock, and high speed data sampling.**

The instrument incorporates an internal compass and tilt sensors to provide true current vector direction. The unit's compact size and light weight make the **ACM-PLUS** well suited for multiple meter arrays. Windows-based software for meter setup, data collection and data visualization make the FSI **ACM-PLUS** very user-friendly.

The **ACM-PLUS** is available in either shallow-water or deep-water housings. The device may also be equipped with an optional CTD module and can be configured to log up to two analog inputs from external sensors (e.g., DO, OBS, Fluorometer, Transmissometer).



FSI ACM-PLUS-200 with optional 5 ton frame

FEATURES

- Compact, lightweight, low-maintenance construction
- **User Selectable 2 or 3 axis** true cosine response velocity measurement
- Accurate velocity measurement with excellent low-velocity resolution
- Electronic magneto-resistive compass with 2-axis tilt sensor
- **Fast Data Sampling up to 10 Hz**
- Water Temperature measurement
- Extremely long battery life with low-maintenance alkaline batteries
- Real-time output/display capability; **Fast Data Download**
- Long-term data logging to **2 GigaByte internal flash memory**
- ASCII serial data output via RS-232 or RS-485 (set at factory)
- Built-in **High Accuracy** real-time clock with on/off power control
- 1.5-ton working strength mooring frame standard; optional 5-ton mooring frame
- Optional conductivity, temperature, pressure sensor package (CTD) may be added
- Choice of epoxy shallow-water (200m) or titanium deep-water (7000m) housing

SPECIFICATIONS

Sensors

Parameter	Type	Range	Accuracy	Resolution
Velocity	Acoustic	0 to 600 cm/s	2% of Reading or 1 cm/s	0.01 cm/s
Direction	3 Axis Magnetometer	0 to 360°	±2°	0.01°
Tilt	2 Axis Accelerometer	0 to 30°	0.5°	0.01°
Temperature	Semiconductor	-2 to 35°C	0.5°C	0.01°C

Optional CTD

	Range	Accuracy	Resolution	Stability
Conductivity (mS/cm)	0 to 70	±0.01	.001	±0.0005 per month
Temperature (Celsius)	-5 to 32° ITS-90	±0.01°	.001°	±0.0005° per month
Pressure (dBar)	0 to 200 dBar 0 to 7000 dBar	±0.1% full scale	0.01% full scale	±0.01% per month

Instrument

External Power: 8 to 32 VDC

Current Draw: 15 mA at 1 Hz sample rate; 80 mA at 10 Hz sample rate; 150 uAmp sleep

Battery Power: Alkaline 5 D Cell Welded Pack, 10 AHR

Internal Memory: 2.0GB Standard

Sample Rate: 10 Hz Maximum

Vector Averaging Period: User Selectable up to 59 Min:59 Sec

Real Time Clock: Programmable **High Accuracy** Sampling/Low-power Mode

Sampling Modes: Continuous, Interval, and Delayed Start (continuous or interval)

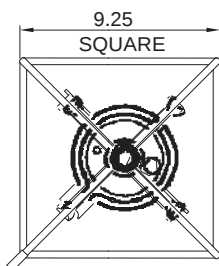
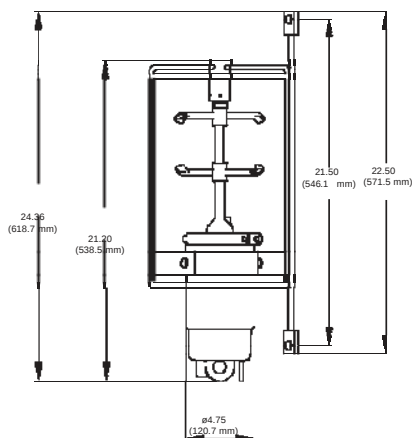
Clock Stability: +/- 2ppm (0-40 degrees C); +/-4ppm (-40 degrees C to +85 degrees C)

Input Channels: Two (2) 0-5V DC Input Channels with 12 bit A/D resolution available for external sensor input, such as; Transmissometer, DO, OBS (Regulated 12 VDC 1.5W provided to power external sensors)

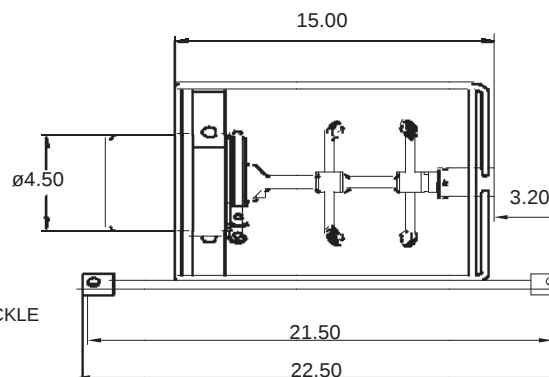
Depth Rating/Physical Material: 200 Meter Epoxy Housing Standard, P/N: ACM-PLUS-200
7000 Meter Titanium Housing Optional, P/N: ACM-PLUS-7000

Mooring Frame: 1.5 Ton 316 Stainless Steel Mooring Frame (Standard, shown below)
5 Ton Stainless Steel Mooring Frame (Optional)

Specifications Subject to Change without Notice



3/8" DIA. SHACKLE



June 2012

Falmouth Scientific, Inc.

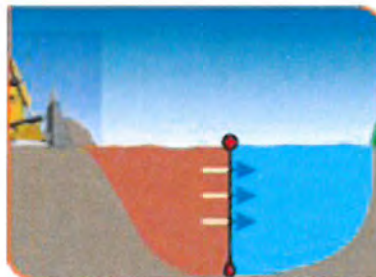
1400 Route 28A, PO Box 315, Cataumet, MA 02534-0315

fsi@falmouth.com • Tel: 1-508-564-7640 • Fax: 1-508-564-7643 • www.falmouth.com

Code : SB16300
Color : Orange

SILT BOOM PVC - OVER HEIGHT 16300MM
FREEBOARD 300MM - DRAFT 16000MM

Silt Boom is designed to prevent silt contamination of waterways from manmade or natural erosion. Silt booms are suitable for use in sheltered and inland waters. They are fast to assemble and deploy, tough and abrasion resistant.



- Boom Fabric: Nylon coated with PVC
- Skirt fabric: Terylene 220gms
- Float: Polystyrene (PS)
- Boom Color : Orange
- Freeboard: 300 mm - Draft: 16000 mm - Over height: 16300 mm
- Section length: 20m
- Boom & Skirts Connections: Lace-up
- Ballast 8 mm hot dipped galvanized chain - 1.9kg/m
- Operational Temperature: 0 ~ +40°C
- Excellent UV Resistance

MATERIAL SUBMISSION FORM

To: Supervising Officer's Representative

Title of Submission:	:	Silt Curtain (around dredger & cage type silt curtain)
Our ref.	:	TMCLKL8/MAS/000009/A
SOR ref.	:	

Description of contents :

Woven Polypropylene Geotextile Bontec SG110/110 Silt Boom PVC (SB6300) is to be used for cage type silt curtain.

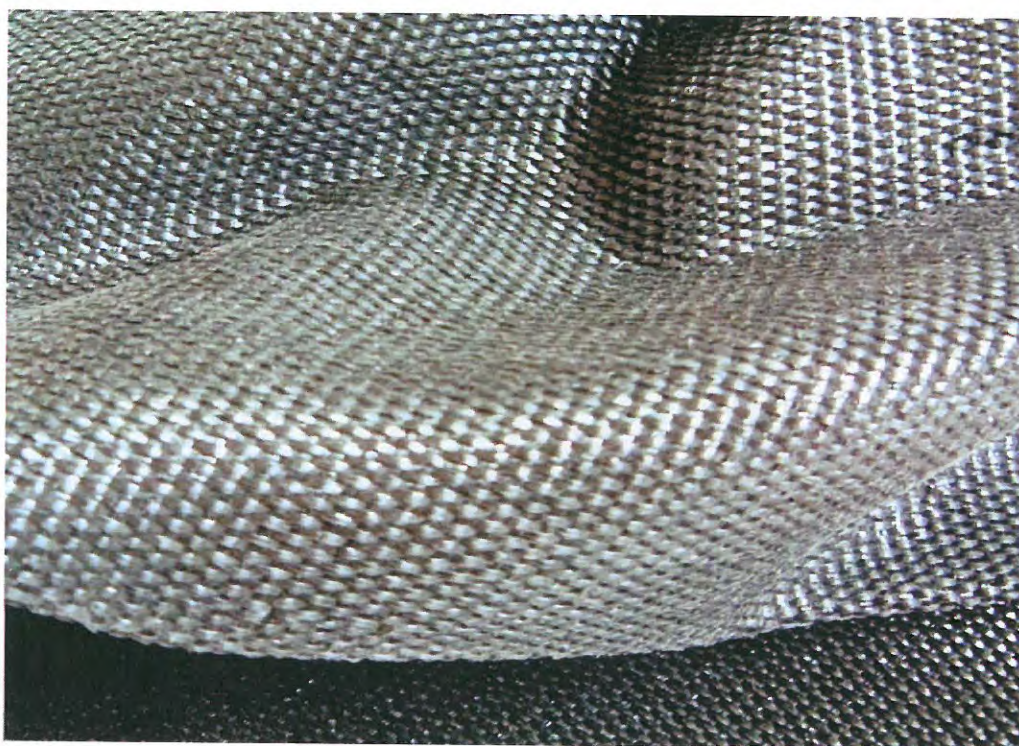
REQUIRED INFORMATION		DETAILS PROVIDED		
Supplier's/ Manufacturer's Name	:	Bonar Technical Fabrics NV/SA		
Supplier's/ Manufacturer's Address	:	Industriestraal 39, B-9240 Zele, Belgium		
Name of Product of service	:	Bontec SG 110/110		
Type of Product of service	:	Woven Polypropylene Geotextile		
Sample Submission	:	☒ As Attached ☐ Not required ☐ To be submitted separately ☐ Prev. submitted (CSM Ref. No.).		
Applicable Specification Clause	:	EM&A Manual Section 5, 5.2.1.1		
Applicable Standard:	:	Nil		
Test/backup Data provided	:	attached Technical Data		
Previous history of use	:	Nil		
Proposed location for use	:	Cage type silt curtain		
Proposed duration for use	:	2013 - 2018		
Purpose of Submission	:	☒ For Approval	☐ For Information	☐ For Record
Signature	:			
Name	:	Martin HO	Benjamin KITZIS	Corinne GUEDON
Position	:	Reclamation Engineer	Gen. Construction Mgr.	Quality Manager
Date	:	5/9/2013	5/9/13	5/9/13
	:	Originated by: MHO	Checked by: BKi	Reviewed by: CGu
	:			Approved by: SRO
Distribution:	:			
Cc: CE/NWNT,HyD – Mr. Stephen CHAN	:			



Material Submission

**BONTEC SG110/110
Woven Polypropylene Geotextile**

Contract no: HY/2012/08



G AND E COMPANY LIMITED

14/F., Kiu Yin Commerical Building,
361 - 363 Lockhart Road,
Wanchai, Hong Kong
Tel: 2570 0130 Fax: 2570 0089
website: www.g-and-e.com

Aug 2013



Table of Contents

1) Manufacturing Company Profile

- Bonar Technical Fabrics Company Profile
- Standard Grade (SG) Woven Geotextile Product Profile

2) Product Specification

- Bontec SG110/110 Technical Data Sheet

3) Certification

- ISO 9001:2000 by BQA – Bonar Technical Fabrics
- ISO 14001:2004 by BQA – Bonar Technical Fabrics
- Certificate of Conformance

4) Installation Guideline

- Recommendation on Installation

5) List of Project Reference

- Name and details of Project

6) Photo Reference

- Name and details of Project

7) Approval Letters

- Bonar's product recognition

8) About the Supplier – G and E Company Limited

- An introduction to G and E Company Limited



Bontec SG110/110
Woven Polypropylene Geotextile

Manufacturing Company Profile



continues to provide one of the main forms for domestic and industrial waste.

ations require high quality densely shed nonwoven geotextiles to protect the ive geomembrane liners.

provision of a very high puncture resistance and VNW geotextiles offer protection in initial installation damage and longer cracking. In this sector, SNW grades in demonstrate an extremely high performance petitive weights.

NW needle punched geotextiles are also in a protection function to prevent damage to sable membranes used in the construction errors, lakes and new tunnel linings.



Excess groundwater must be carefully controlled both during and after construction so as to ensure structural stability. Typical drainage systems include carriageway edge drains to protect the roadway, back of wall drainage to reduce hydrostatic pressure on the rear face of wall, or possibly a drainage mattress to provide the rapid escape of surplus water from the base of an artificial sports surface.

In these applications lightweight NW & SNW nonwoven geotextiles and HF woven geotextiles offering high water permeability and superior filtration characteristics provide the ideal filter layer for enclosing the drainage media.

By designing the hydraulic properties of the geotextile to the surrounding soil, the geotextile surface will provide a stable platform for the development of a natural soil filter and subsequent long lasting filtration performance.



Asphalt road surfaces crack with age and require essential repairs to extend the life cycle of the road. Placement of a new overlay offers a quick fix solution but may result in limited additional life due to the rapid propagation of the old cracks into the new overlay.

In an effort to maximize the service interval period, the inclusion of a reflective crack control geotextile, or SAMI (Stress Absorbing Membrane Interlayer), within the overlay has shown to substantially increase the service lifetime of the road.

Bonapave nonwovens have been specially designed for this application by offering an optimum combination of tensile strength, temperature resistance, bitumen absorption and flexibility.



Traditional soil stabilization methods involving the construction of steep embankments or vertical retaining walls sometimes prove to be an expensive solution. Bortec® High Strength geotextiles now offer a new cost effective construction option. Through their outstanding tensile strength, high modulus of elasticity, low creep and excellent resistance to ultraviolet radiation, reinforcing geosynthetics offer one of the best guarantees of a durable and reliable construction.

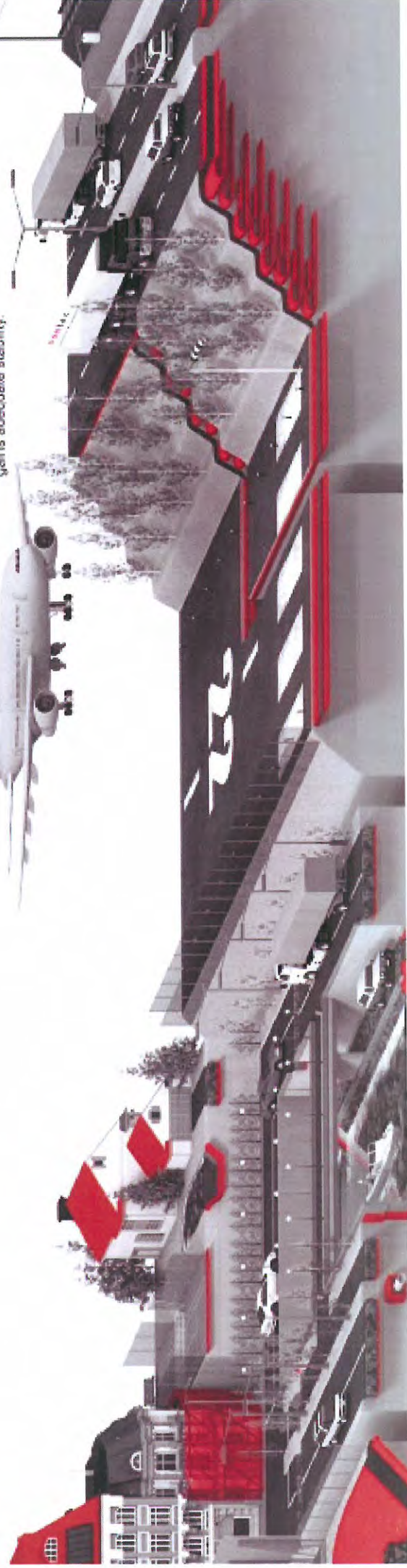
During embankment construction over weak impervious soils, excess pore water pressures frequently develop and may lead to the formation of slip planes.

This can be a costly problem, involving either long construction delays while the ground is left to consolidate or expensive soil compaction and improvement works. Alternatively, HS geotextiles can provide a cost-saving method through the provision of a basal reinforcement layer that prevents the formation of slip planes and restricts the deformation of the embankment until such time as the foundation soil itself gains adequate stability.



Contamination of the soil by underlying strata reduces the load bearing capacity and/or drainage characteristics of granular fill material. woven and NW nonwoven offer an effective solution through the use of bespoke separation geotextiles after high performance per unit area maximize their resistance to damage and ensure in-situ performance.

As road foundation materials get increasingly expensive, the use of geotextile can often reduce design thicknesses to a margin. Ruting depth geotextile reinforcement both as a 'sounding the compaction, and as a separation layer. This SG Heavyweight geotextile produces significant savings in material costs.





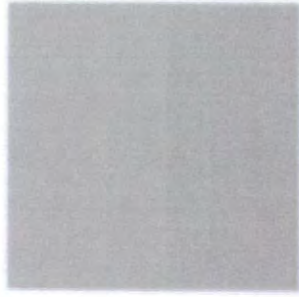
WEIGHT (gr / m²)



SEPARATION



REINFORCEMENT



Other geotextiles available within the Bontec range include Highflow, High strength Wovens and Thermally Bonded & Needle punched Nonwovens

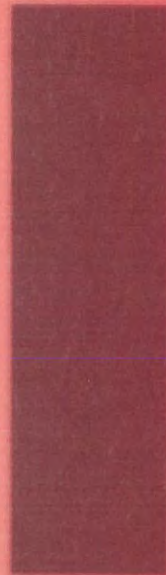
Visit us at our website:
www.bonartf.com

For UK and Ireland: **BONAR YARN**
St. Salvador Street | Dundee | Sc
T: +44 (0)1382 346102 | F: +4
E-MAIL: geotextiles@bonaryarns.com

3G WOVEN GEOTEXTILES



we under cover the world



A TOTAL RANGE OF GEOTEXTILES

Headquarters:
BONAR TECHNICAL FABRICS NV/SA
Industriestraat 39
B-9240 Zele
BELGIUM
T: +32 (0) 52 457 487
F: +32 (0) 52 457 495
E-MAIL: geotextiles@bonartf.com

For UK and Ireland:
BONAR YARNS & FABRICS Ltd
St. Salvador Street
Dundee Scotland
DD3 7EU
T: +44 (0)1382 346102
F: +44 (0)1382 229238
E-MAIL: geotextiles@bonaryarns.com

website: www.bonartf.com



Bontec SG110/110
Woven Polypropylene Geotextile

Product Specification

SG 110/110

Woven polypropylene geotextile made of slit film tapes

Technical data sheet according to internal specifications Bonar TF: version 08 dd. 20/12/11

Accompanying documents CE marking: version 11 dd. 01/01/12



1137-CPD-601

12

separation	filtration	reinforcement	protection	drainage

	test method	value	tolerance
Mechanical properties			
Tensile strength MD	EN ISO 10319	110,0 kN/m	-9,9 kN/m
Tensile strength CD		110,0 kN/m	-9,9 kN/m
Elongation MD	EN ISO 10319	12,0 %	+/-2,8 %
Elongation CD		8,0 %	+/-1,8 %
Static puncture resistance – CBR	EN ISO 12236	12,50 kN	-2,50 kN
Dynamic perforation resistance – cone drop	EN ISO 13433	10,0 mm	+2,0 mm
Hydraulic properties			
Water permeability normal to the plane	EN ISO 11058	25x10 ⁻³ m/s	-8x10 ⁻³ m/s
Water flow normal to the plane (*)		25 l/m ² .s	-8 l/m ² .s
Characteristic opening size (AOS)	EN ISO 12956	230,0 µm	+/-69,0 µm
Physical properties			
Thickness under 2 kPa (*)	EN ISO 9863-1	1,53 mm	+/-0,31 mm
Weight (*)	EN ISO 9864	464,0 g/m ²	+/-46,4 g/m ²
Composition	100 % polypropylene woven geotextile		
Durability	predicted to be durable for a minimum of 25 years in natural soil with 4 < pH < 9 and soil temperatures < 25° C		

roads	railways	foundations & retaining walls	drainage systems	erosion control systems
EN 13249:2000	EN 13250:2000	EN 13251:2000	EN 13252:2000	EN 13253:2000
reservoirs & dams	canals	Tunnels & underground structures	solid waste	liquid waste
EN 13254:2000	EN 13255:2000	EN 13256:2000	EN 13257:2000	EN 13265:2000

1. This geotextile is intended for use in both functions & applications highlighted with a bold border.
 2. It is the responsibility of all users to satisfy themselves that the above data is current.
 3. Roll dimensions are 5,25 m x 100 m. Other dimensions on demand.
 4. Bonar Technical Fabrics reserves the right to alter product specifications without prior notice.
 5. Although not guaranteed, these results do to the best of our knowledge offer a true and accurate record of the product's performance.
 6. Bonar Technical Fabrics cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
 7. Geotextile has to be covered within 2 weeks after installation
- (*) Not mandated characteristics for CE marking.



Bontec SG110/110
Woven Polypropylene Geotextile

Certification

QUALITY MANAGEMENT SYSTEM CERTIFICATE

ISO 9001 : 2008

The BQA, sa hereby declares that the quality management system of

Bonar Technical Fabrics NV – Site in Zele en Lokeren



Low & Bonar

Performance materials engineered
to help build your business

*located at Industriestraat 39 - 9240 Zele - Belgium, has been examined on 04-04-2011
and found in conformity with the ISO 9001, edition 2008, standard for the following application field:*

***Development, manufacture and sales of a standard range of fibres and textiles such as agrotexiles, building textiles and
geosynthetics, as well as similar products especially designed to customer specifications***

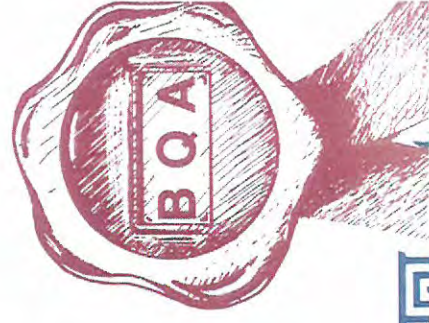
*This certificate has been issued by the BQA, sa according to its quality manual concerning the certification of quality
systems, and after concluding the contract of certification N° DS/AJ/CER/ 04-04-2011/301,
under which the company accepts a regular control of its quality management system.*

Certificate N° BQA_QMS019_C_2004301
Valid until 03-04-2014



BQA N° 019-QMS

D.SIMOENS
Directeur



CERTIFICATE OF ENVIRONNEMENTAL MANAGEMENT SYSTEM

ISO 14001 : 2004

*The BQA, nv hereby declares that the environmental management system of the company
Bonar Technical Fabrics NV – Site in Zele en Lokeren*



Low & Bonar
Performance materials engineered
to help build your business

*located at Industriestraat 39 – 9240 Zele - Belgium, has been examined on 04-04-2011
and found in conformity with the ISO 14001, edition 2004, standard for the following application field:*

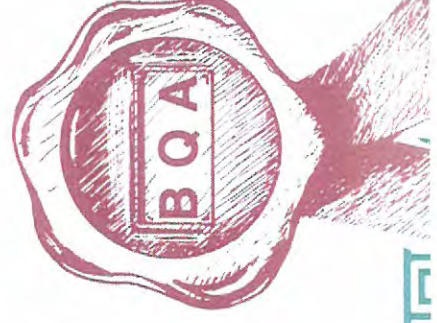
***Development, manufacture and sales of a standard range of fibres and textiles such as agrotexiles, building
textiles and geosynthetics, as well as similar products especially designed to customer specifications.***

*This certificate has been issued by BQA, nv according to its quality manual EMS concerning the certification of environmental
management systems, and after the contract of certification N° DS/AJ/CER/04-04-2011/02
under which the company accepts a regular control of its environmental management system.*

Certificate N° BQA_EMS019_C_200402
Valid until 03-04-2014



BQA N° 019-EMS



A blue ink signature of D. SIMOENS.

D. SIMOENS
Directeur



bontec

a bonar technical fabrics product

woven and non woven geotextiles

Zele, 22.11.12

CERTIFICATION OF CONFORMANCE

The undersigned supplier BONAR TECHNICAL FABRICS, hereby states under his responsibility that the following product complies with the indicated technical properties :

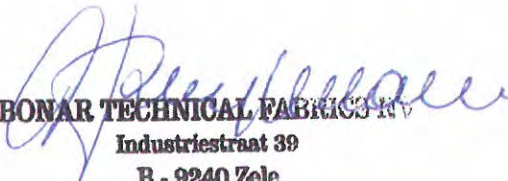
order 182958 : your PO 120427

Type SG 110/110 : 29.245,5 m²

Delivery docs : Packing list N. T1205096

Manufacturer : Bonar Technical Fabrics N.V.

BONAR TECHNICAL FABRICS N.V.



BONAR TECHNICAL FABRICS nv

Industriestraat 39

B - 9240 Zele

BONAR TECHNICAL
FABRICS

Invisibly good

BONAR TECHNICAL FABRICS nv/sa
Industriestraat 39 • B-9240 Zele • Belgium
Tel +32 (0) 52 457 493 • Fax +32 (0) 52 457 495
E-mail geotextiles@bonartf.com

BONAR Yarns & Fabrics Ltd
St. Salvador Straat • Dundee DD3 7EU • United Kingdom
Tel +44 (0) 1382 346102 • Fax +44 (0) 1382 202378
E-mail geotextiles@bonaryarns.com



A Low & Bonar
Company



Bontec SG110/110
Woven Polypropylene Geotextile

Installation Guideline



RECOMMENDATION FOR THE INSTALLATION OF GEOTEXTILES

- The **BONTEC** geotextiles shall be kept in its original packaging in order to protect it from damaging UV-rays and high temperatures.
- The **BONTEC** geotextiles shall be stored protected from wind, rain, excess moisture or sunlight.
- The **BONTEC** geotextiles shall only be unpacked just before use. The material shall be covered within 1 week
- The **BONTEC** geotextiles shall be labelled and show the following data :
 - roll number
 - quality
 - name of the manufacturer
 - roll length & width
 - roll weight
- The **BONTEC** geotextiles shall be laid with the longitudinal axis down slopes
- A minimum overlap of 500 mm between the different sheets shall be respected. Sewing of the different fabrics shall be done with a double prayer stitching technique with non deteriorating thread.
- Wherever visibility or installation of the **BONTEC** geotextile is poor an extra safety overlap of +/- 1 m shall be respected
- The surfaces to be covered with **BONTEC** geotextiles shall be smooth and free of sticks, roots, sharp objects, and all debris that may damage the fabric. The surface to be covered shall be firm and unyielding, with no sudden changes or brakes in grade.
- The compacted sub-base shall be maintained in a smooth, uniform and compacted condition during installation of the fabric.
- In area's where wind is prevalent, fabric installation shall be started at the upwind side of the project and proceed downwind. The leading edge of the fabric shall be secured at all times with sandbags or other means sufficient to hold it down during high winds. Sandbags or rubber tires may be used as required to hold the fabric in position during installation. Tires shall not have exposed steel cords or other sharp edges which may snag or cut the fabric. Materials, equipment or other items shall not be dragged across the fabric or be allowed to slide down slopes on the fabric.
- Should the fabric be damaged during any step of the installation, the damaged section shall be repaired by covering it with a piece of fabric which extends at least 0,6 meter in all directions beyond the damaged area. The fabric shall be secured as directed by the engineer.
- Smoking shall not be permitted by personnel working on the fabric.

Bontec SG Range Woven Geotextile

Date	Project	Client	Consultant	Style	Qty
Aug-85	HY/84/28 Vehicular border link at Lok Ma Chau	China Construction Engineering Corporation		800g/sqm	
Oct-93	DC/93/03 Main drainage channels for Yuen Long and Kam Tin	Wan Hin & Co. Ltd		HS150/60 HS450/60 HS600/100	265,190 145,200 37,015
Feb-05	CV/2003/06 Stanley Waterfront Improvement Project - Construction Pier and Boardwalk	Sun Fook Kong (Civil) Ltd	Civil Engineering and Development Department	SG100/100 NW10	2,080 3,150
Feb-05	99/9028 Lamma Power Station	Wai Kee (Zens) Construction & Transportation Co Ltd	Maunsell Geotechnical Services Ltd	SG100/100	1,040
Feb-05	CV/2004/02 Reconst. of Wong Shek & Ko Lau Wan Public Piers	Kin Shing Construction Co Ltd	Civil Engineering and Development Department	SG100/100	4,680
Apr-05	CV/2002/04 Penny's Bay Reclamation Stage 2	Gammon Skanska Ltd Shun Tat Construction Engineering Ltd	Scott Wilson Ltd	SG100/100 SG100/100	4,160 3,150
Apr-05	HK/12/02 CED, Central Reclamation Phase III, Engineering Works	Best Leader Engineering Ltd Leighton - China State - Van Oord Joint Venture	Atkins China Ltd	SG100/100 SG100/100	1,040 2,615
May-05	03/8013 Lamma Island to Cyberport	Leader Marine Contractors Ltd Honwin Engineering Ltd	Maunsell Geotechnical Services Ltd	SG100/100 SG100/100	1,040 1,050
Jul-05	Shenzhen to Tai Po Twin Submarine Gas Pipeline Project	Honwin Engineering Ltd		SG100/100	3,675
Sep-05	TP37/03 Remaining Engineering Infrastructure Works for Pak Shek Kok Development Package 2A	Leader - Wai Kee (C&T) Joint Venture	Hyder Consulting Ltd	SG100/100	1,040
Nov-05	HY/2002/26 Stone Cutter's Bridge	Hong Kong River Engineering Co Ltd	Ove Arup & Partners HK Ltd	SG100/100	1,050
Feb-06	CV/2005/12 Fill Reception Facilities at Tseung Kwan O Area 137 Quarry Bay and Mui Wo	Penta-Ocean Construction Co Ltd	Civil Engineering and Development Department	SG100/100	525
Mar-06	Maintenance Dredging at Castle Peak Power Station (CPPS) Jetty	New Concepts Engineering Development Ltd	Civil Engineering and Development Department	SG100/100	525
Mar-06	CV/2004/04 Maintenance and Repairs to Government / Public Piers and Immersed Tubes of Hung Hom Cross-Harbor Tunnel	China Harbour Engineering Co (Group)	Civil Engineering and Development Department	SG100/100	1,050
Mar-06	HY/2005/06 Castle Peak Road Improvement West of Tsing Lung Tau	Shun Tat Construction Engineering Limited Chun Wo Construction & Engineering Co Ltd	Mouchel Halcrow JV	SG100/100 SG100/100	1,050 525

May-06	212 Main Works for the Proposed Third Golf Course Development at Kau Sai Chau, Sai Kung	China Harbour Engineering Co (Group)	Ove Arup & Partners HK Ltd	SG100/100	3,150
Jun-06	Hong Kong Convention and Exhibition Centre Project - Silt Screen for Intake Pipe	Wai Kee (Zens) Construction & Transportation Co Ltd Kaden - Wai Kee (C&T) JV	NA	SG100/100	2,100
Aug-06	EP/SP/52/06 Development of EcoPark in Tuen Mun Area 38	Kaden Construction Limited	Scott Wilson Ltd	SG100/100	1,050
Sep-06	CV/2004/06 Management and Capping of Contaminated Mud Pit IV at East of Sha Chau - Phase III	Kaden - Wai Kee (C&T) Joint Venture	Civil Engineering and Development Department	SG100/100	1,050
Oct-06	Lamma Island Cable Landing	United Marine Co Ltd	Hong Kong Electric Co Ltd	SG100/100	2,100
Nov-06	CV/2004/01 Maintenance and Repairs to Seawalls, Piers and Other Port Works	Kin Shing Construction Co Ltd	Civil Engineering and Development Department	SG100/100	2,625
Dec-06	Private project	Friendly Benefit Engineering Ltd		SG100/100	525
Feb-07	Prebored Socketted H-Piles at Hong Kong Convention & Exhibition Centre	Yee Hop Engineering Co Ltd	NA	SG100/100	3,623
May-07	HY/2005/06 Castle Peak Road Improvement - West of Tsing Lung Tau	Chun Wo Construction & Engineering Co Ltd	Mouchel Halcrow JV	SG100/100	525
May-07	CV/2004/05 Dredging Maintenance	China Harbour Engineering Co Ltd	Civil Engineering and Development Department	SG100/100	2,100
Aug-07	Dredging Project in Lai Chi Kok Shipyard	Maritime Mechanic Ltd	NA	SG100/100	525
Aug-07	6/WSD/06 Construction of Salt Water Supply System for Penny's Bay	Univic Engineering Ltd	Water Supplies Department	SG100/100	1,050
Nov-07	Permanent Aviation Fuel Facility Hong Kong International Airport (Contract No. H2104)	UDL Dredging Ltd	Babtie Asia Ltd	SG100/100	1,050
Dec-07	Seawall Modify, Tuen Mun Area 38	Cheer Engineering Ltd	Scott Wilson Ltd	SG100/100	525
May-08	DC/2007/10 Design and Construction of HK West Drainage Tunnel	Tapbo Civil Engineering Co Ltd	Ove Arup & Partners HK Ltd	SG100/100	5,486
Sep-08	CV/2006/05 Maintenance of Seawalls and Navigation Channels	China Harbour Engineering Co Ltd	Civil Engineering and Development Department	SG100/100	6,825
Sep-08	Marine Works at Maldives	Kwan Sing Engineering & Construction Co Ltd		SG100/100	525
Nov-08	DC/2007/06 River Improvement Works in Upper Lam Tsuen River, She Shan River and Upper Tai Po River	Kwan Lee Construction Co Ltd	Maunsell Consultants Asia Ltd	SG100/100	10,500

Mar-09	DC/2007/01 Drainage Improvement Works in Ki Lun Tsuen, Kwu Tung, Ma Tso Lung and Sha Ling	Shanghai Urban Construction Group Corp	Mott Connell Ltd	SG100/100 SG40/40	7,875 71,400
Jun-09	CHEC247 Lamma Power Station - Navigation Channel Improvement	China Harbour Engineering Co Ltd	Civil Engineering and Development Department	SG100/100	7,350
Jan-10	Tsing Yi	Sam Woo Bore Pile Foundation Ltd		SG110/110	525
Feb-10	HY/2009/11 Central - Wanchai Bypass - North Point Reclamation	China Harbour Engineering Co Ltd UDL Ship Management Ltd	AECOM Asia Co Ltd	SG110/110 SG110/110	21,541 1,050
Mar-10	KL/2009/01 Site formation for Kai Tak Cruise Terminal Development	Penta-Ocean Construction Co. Ltd Kwan Sing Construction Ltd Crown Asia Engineering Ltd	Scott Wilson	SG110/110 SG110/110 SG110/110	28,875 5,775 1,050
Apr-10	TK/2009/01 Infrastructure Works at Town Centre South and Tiu Keng Leng, Tseung Kwan O	Shun Tat Construction Engineering Ltd	Meinhardt (C&S) Ltd	SG110/110 SG40/40	9,450 1,050
Apr-10	Lau Fau Shan	Wang Hip Iron Works Wirks Co Ltd		SG110/110	525
May-10	HK/2009/01 Wan Chai Development Phase II Central Wanchai Bypass	Leader Civil Engineering Corp Ltd Chun Wo-Leader Joint Venture	AECOM Asia Co Ltd	SG110/110 SG110/110	5,250 28,875
Jun-10	9/WSD/08 Laying of Western Cross Harbour Main and Associated Land Main Form West Kowloon to Sai Ying Pun	Shun Tat Construction Engineering Ltd	Mott Connell Limited	SG110/110	10,470
Oct-10	DC/2007/12 Design and Construction of Tsuen Wan Drainage Tunnel	Shun Tat Construction Eng Ltd	Hyder Consulting Ltd	SG110/110	2,100
Oct-10	TP/2010/02 Cycle Tracks from Sheung Shui to Ma On Shan	Services Ltd Richwell Machinery Eng Ltd	Civil Engineering and Development Department	SG110/110	525
Dec-10	CV/2010/03 Maintenance Contract for Seawalls and Navigation Channels	China Harbour Eng Co Ltd	Civil Engineering and Development Department	SG110/110	10,500
Dec-10	HK/2009/02 Wan Chai Development Phase II	Tung Wo Engineering Co Ltd Chun Wo-CRGL Joint Venture	AECOM Asia Co Ltd	SG110/110 SG110/110	4,200 2,625
Jan-11	HY/2009/15 Central-Wanchai Bypass-Tunnel Causeway Bay Typhoon Shelter	Shun Tat Construction Eng Ltd China State Engineering Co Ltd Tung Wo Engineering Ltd Hong Kong River Engineering Co Ltd	AECOM Asia Co Ltd	SG110/110 SG110/110 SG110/110 SG110/110	35,175 2,100 1,050 10,830.75
Jan-10	DC/2008/09 Submarine outfall Aberdeen	Paul Y Construction Co Ltd	AECOM Asia Co Ltd	SG110/110	525
Jan-10	KL/2008/07 Kai Tak Development - Advance Infrastructure Works for Developments at the Southern Part of the Former Runway, Stage 1	Crown Asia Engineering Ltd	AECOM Asia Co Ltd	SG110/110	1,050
Jan-11	CV/2009/02 Handing of Surplus Public Fill	China Harbour Eng Co Ltd	Civil Engineering and Development Department	SG110/110	525



Mar-11	HK/2010/06 Wanchai Development Phase II- Central-Wanchai Bypass over MTR Tsuen Wan Line	Leader Civil Engineering Corp Ltd Gammon Construction Ltd	AECOM Asia Co Ltd	SG110/110 SG110/110	8,400 1,575
Apr-11	HY/2009/19 Central-Wanchai Bypass-Tunnel (North Point Section)	S W Marine Works Ltd Chun Wo Foundations Ltd	AECOM Asia Co. Ltd	SG110/110 SG110/110	3,150 19,950
May-11	DC/2009/13 Construction of Sewage Treatment Works at Yung Shue Wan and Sok Kwu Wan	Leader Civil Engineering Corp Ltd	Scott Wilson CDM Joint Venture	SG110/110	1,575
May-11	DC/2009/22 Drainage Improvement Works in Shuen Wan, Tai Po- Contract 1	Kwan Lee-Kuly Joint Venture	AECOM Asia Co. Ltd	SG110/110	2,625
Jul-11	SIL (E) 903 Stage 2 Ocean Park Station Wong Chuk Hang Station, Viaducts and Aberdeen Channel Bridge	Leighton Contractors (Asia) Ltd Cheer Engineering Ltd	Vector International Ltd	SG110/110 SG110/110	4,725 1,050
Aug-11	KL/2010/02 Kai Tak Approach Channel Improvement Works Stage 1	Kwan Sing Contractors Ltd	AECOM Asia Co. Ltd	SG110/110	7,350
Sep-11	DC/2010/02 Drainage Improvement Works in Shuen Wan And Shek Wu Wai	Kwan Lee-Kuly Joint Venture	Drainage Services Department	SG110/110	6,300
Oct-11	DC/2007/16 Design and Construction of Lai Chi Kok Transfer Scheme	Fortress Ltd	Maunsell Consultants Asia Ltd	SG110/110	2,100
Dec-11	HY/2010/02 HK-Zhuhai-Macau Bridge - HK Boundary Crossing Facilities Reclamation Works	China Harbour Engineering Co Ltd Sharon Asia Waste Sorting Eng Ltd	Ove Arup & Partners HK Ltd	SG110/110 SG110/110	66,675 525
Jul-12	GSPD/SP/TKW-NP/089/2011 Installation of Submarine Gas Pipeliners and Associated Facilities from to Kwa Wan to North Point	Macdow - Kaden Joint Venture	Mott Connell Limited	SG110/110	3,150
Aug-11	HY/2011/03 HK-Zhuhai Macau Bridge - Hong Kong Link Road - Scenic Hill and Hong Kong Boundary Crossing Facilities	China Harbour Engineering Co Ltd Hong Kong River Eng Co Ltd	Ove Arup & Partners HK Ltd	SG110/110	6,300



Bontec SG110/110
Woven Polypropylene Geotextile

List of Project Reference



Bontec SG110/110
Woven Polypropylene Geotextile

Photo References



G AND E COMPANY LIMITED

14/F Kiu Yin Commercial Building

361 - 363 Lockhart Road,

Wanchai, Hong Kong

Tel: 852-2570 0103 Fax: 852-2570 0089

website: www.g-and-e.com



Date	June 2013
Project	Contract No: HY/2011/03 HK-Zhuhai Macau Bridge Hong Kong Link Road - Scenic Hill and Hong Kong Boundary Crossing Facilities
Client	Highway Department
Consultant	Ove Arup & Partners HK Ltd
Main Contractor	China State Construction Engineering
Works	Tailor-made Silt Protector
Material	Woven Geotextile Bontec SG110/110



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14/F Kiu Yin Commercial Building
361 - 363 Lockhart Road,
Wanchai, Hong Kong
Tel: 852-2570 0103 Fax: 852-2570 0089
website: www.g-and-e.com



Date Dec 2011

Project Contract No. HY/2010/02
HK-Zhuhai-Macau Bridge - HK
Boundary Crossing Facilities

Client Highway Department

Consultant Ove Arup & Partners HK Ltd

Main Contractor China Harbour Engineering Co Ltd

Works Tailor-made Silt Protector

Material Woven geotextile Bontec SG110/110



G AND E COMPANY LIMITED

14/F., Kiu Yin Commercial Building,
361 - 363 Lockhart Road,
Wanchai, Hong Kong
Tel: 852-2570 0103 Fax: 852-2570 0089
website: www.g-and-e.com



Date	May-09
Project	Contract No. HY/2004/02 Stonecutters Bridge Temporary Jetty
Client	Highway Department
Consultant	Ove Arup & Partners HK Ltd
Main Contractor	Dragages - China Harbour JV
Materials	Bontec SG110/110
Works	Silt Curtain



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14/F Kiu Yin Commercial Building

361 - 363 Lockhart Road,

Wanchai, Hong Kong

Tel: 852-2570 0103 Fax: 852-2570 0089

website: www.g-and-e.com



Date	May 2011
Project	Contract No. DC/2009/22 Drainage Improvement Works in Shuen Wan, Tai Po
Client	Drainage Service Department
Consultant	AECOM (Asia) Ltd
Main Contractor	Kwan Lee - Kuly Joint Venture
Works	Separation
Material	Woven geotextile SG110/110



G AND E COMPANY LIMITED

14/F Kiu Yin Commercial Building
361 - 363 Lockhart Road,
Wanchai, Hong Kong
Tel: 852-2570 0103 Fax: 852-2570 0089
website: www.g-and-e.com



Date	June 2013
Project	Contract No. HY/2009/15 Central-Wanchai Bypass-Tunnel (Causeway Bay Typhoon Shelter Section)
Client	Highway Department
Consultant	AECOM Asia Co. Ltd
Main Contractor	China State Construction Engineering (HK) Limited
Works	Silt Protector
Material	Woven Geotextile Bontec SG110/110



G AND E COMPANY LIMITED

14th Floor, Kiu Yin Commercial Building
361-363 Lockhart Road,
Wanchai, Hong Kong
Tel: 852-2570 0103 Fax: 852-2570 0089
website: www.g-and-e.com



Date	March, 2010
Project	Contract No. HK/2009/01 Wan Chai Development Phase II -Central - Wanchai Bypass at Hong Kong Convention and Exhibition Centre
Client	Civil Engineering and Development Department
Consultant	AECOM Asia Co. Ltd
Main Contractor	Chun Wo - Leader Joint Venture
Materials	Woven Geotextile SG110/110
Size	4,200 sqm
Application	Intake Silt Curtain



G AND E COMPANY LIMITED

14th Floor, Kiu Yin Commercial Building
361-363 Lockhart Road
Wanchai, Hong Kong
Tel: 852-2570 0103 Fax: 852-2570 0089
website: www.g-and-e.com



Date	March 2010
Project	KL/2009/01 Site formation for Kai Tak Cruise Terminal Development
Client	CEDD
Consultant	Scott Wilson Ltd
Main Contractor	Penta-Ocean Construction Co. Ltd
Materials	SG100/100
Size	1,050 sqm



G AND E COMPANY LIMITED

14/F, Kiu Yin Building Commerical,
361 - 363 Lockhart Road,
Wamchai, Hong Kong
Tel: 852-2570 0103 Fax: 852-2570 0089
website: www.g-and-e.com



Date	Mar-10
Project	Contract No. DC/2007/01 Drainage Improvement Works in Ki Lun Tsuen, Kwu Tung, Ma Tso Lung and Sha Ling
Client	Drainage Services Department
Consultant	Mott MacDonald
Main Contractor	Shanghai Urban Construction (Group) Corporation
Works	SG 100/100



G AND E COMPANY LIMITED

14th Floor, Kiu Yin Commercial Building
361-363 Lockhart Road
Wanchai, Hong Kong
Tel: 852-2570 0103 Fax: 852-2570 0089
website: www.g-and-e.com



Date	Feb-10
Project	Contract No. HY/2009/11 Central - Wanchai Bypass - North Point Reclamation
Client	Highways Department
Consultant	AECOM
Main Contractor	China Harbour Engineering Company
Works	Silt Curtain
Materials	Woven Geotextile SG100/100
Size	3,675 sqm



G AND E COMPANY LIMITED

14th Floor, Kiu Yin Commercial Building
361-363 Lockhart Road,
Wanchai, Hong Kong
Tel: 852-2570 0103 Fax: 852-2570 0089
website: www.g-and-e.com



Date	October 2006
Project	Lamma Island Cable Landing
Client	Hong Kong Electric Co Ltd
Consultant	Hong Kong Electric Co Ltd
Main Contractor	United Marine Co Ltd
Works	Silt Curtain
Size	2,100 sqm



G AND E COMPANY LIMITED

14th Floor, Kiu Yin Commercial Building
361-363 Lockhart Road,
Wanchai, Hong Kong
Tel: 852-2570 0103 Fax: 852-2570 0089
website: www.g-and-e.com



Date	March 2006
Project	Contract No. HY/2005/06 Castle Peak Road Improvement West of Tsing Lung Tau
Client	Highway Department
Consultant	Mouchel Halcrow JV
Main Contractor	Chun Wo Construction & Engineering Co., Ltd.
Works	Silt Curtain
Size	1,050 sqm



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14th Floor, Kiu Yin Commercial Building
361-363 Lockhart Road
Wanchai, Hong Kong
Tel: 852-2570 0103 Fax: 852-2570 0089
website: www.g-and-e.com



Date	November 2005
Project	Contract No. HY/2002/26 Stone Cutter's Bridge
Client	Highway Department
Consultant	Ove Arup and Partners HK Ltd
Main Contractor	Hong Kong River Engineering Co Ltd Maeda - Hitachi - Yokogawa - Hsing Chong Joint Venture
Works	Silt Curtain
Size	1,050 sqm



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14th Floor, Kiu Yin Commercial Building
361-363 Lockhart Road
Wanchai, Hong Kong
Tel: 852-2570 0103 Fax: 852-2570 0089
website: www.g-and-e.com



Date	February 2005
Project	Contract No. CV/2003/06 Stanley Waterfront Improvement Project - Construction Pier & Broadwalk
Client	Civil Engineering and Development Department
Consultant	Civil Engineering and Development Department
Main Contractor	Sun Fook Kong (Civil) Ltd
Works	Silt Curtain - SG100/100
Size	2,080 sqm



G AND E COMPANY LIMITED

14/F Kiu Yin Commercial Building

361 - 363 Lockhart Road,

Wanchai, Hong Kong

Tel: 852-2570 0103 Fax: 852-2570 0089

website: www.g-and-e.com



Date	May 2011
Project	Contract No. DC/2009/13 Construction of Sewage Treatment Works at Yung Shue Wan and Sok Kwu Wan
Client	Drainage Service Department
Consultant	Scott Wilson CDM Joint Venture
Main Contractor	Leader Civil Engineering Corp Ltd
Material	Bontec SG110/110 woven geotextile
Works	Silt Curtain



Bontec SG110/110
Woven Polypropylene Geotextile

Approval Letters



Drainage Services Department
Drainage Projects Division
44/F, Revenue Tower, 1 Gloucester Road,
Wan Chai, Hong Kong

渠務署
排水工程處
香港灣仔告士打道5號
稅務大樓44樓

來函編號 Your Ref: KLKJV/DC201002/T40/0173

本署編號 Our Ref: () in DP/8/4109CD/DC1002/30

電話 Tel: (852) 2435 7031

傳真 Fax: (852) 2827 8700

By fax and post
(Fax No. 2674 6688)

29 August 2011

Kwan Lee -- Kuly Joint Venture
Unit 6, 16/F Yuen Long Trading Centre,
33 Wang Yip Street West,
Yuen Long, N.T.

(Attention: Mr. CHAN Wing-kai -- Project Manager)

Dear Sirs,

Contract No. DC/2010/02
Drainage Improvement Works in Shuen Wan and Shek Wu Wai

Material Submission - Type B Geotextile

I refer to your above quoted letter dated 19 August 2011 and the attached email dated 29 August 2011 enclosing further information in response to the comments given in my letter dated 25 August 2011 regarding the captioned subject.

Please be advised that I have no objection to your proposal of using "Bontec SG110/110 Woven Polypropylene Type B Geotextile" manufactured by "Bonar Technical Fabrics" and supplied by "G and E Company Limited" as the geotextile filter Type B / Geotextile Type 2 for this Contract subject to its satisfactory performance on site.

Yours faithfully,

(W. L. YIP)

Engineer's Representative
Drainage Projects Division
Drainage Services Department

Encl.
cc.

DC/2010/02 Site Office

Internal (to note in file):

E/D19

WLY/

D1045

RECEIVED
02 JUN 2011

BY:

Your Ref.: KLKJV/DC200922/M60/1498
Our Ref.: (DC/2009/22)/R20/106(0019)

8 June 2011

Kwan Lee – Kuly Joint Venture
Unit 6, 16/F, Yuen Long Trading Centre
33 Wang Yip Street West, Yuen Long
New Territories, Hong KongShuen Wan RE's Office
Fo Chun Road, Pak Shek Kok, Tai Po, H.K.
T +852 2603 6933
F +852 2603 7998Attn: Mr. WONG Ching Lung (Site Agent)

Dear Sirs

Contract No. DC/2009/22
Drainage Improvement Works in Shuen Wan, Tai Po – Contract 1**Material Submission – Type B Geotextile**

I refer to your above referenced letter dated 31 May 2011 enclosing further information in response to the comments given in my letter ref. (0017) in the same series dated 27 May 2011 on the captioned material submission for my approval.

Please be advised that I have no objection to your proposal of using "Bontec SG 110/110" manufactured by "Bonar Technical Fabrics Company" and supplied by "G & E Company Limited" "as the geotextile filter Type B / Geotextile Type 2 for this Contract subject to its satisfactory performance on site.

You are reminded to strictly follow the manufacturer's guidelines on storage, handling and installation procedures for application of the material.

Yours faithfully,
For and on behalf of
AECOM Asia Co. Ltd.
Eddie LUK
Resident Engineer
Water & Urban Developmentcc AECOM - Attn: Mr. Joseph HO
M/F

EL/VH/pc

✓

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

RECEIVED
2005

土木工程處
Civil Engineering Office

Web site 網址 : <http://www.cedd.gov.hk>
E-mail 電子郵件 :
Telephone 電話 : (852) 2760 5737
Facsimile 傳真 : (852) 2714 2054
Our reference 本署檔號 : () in PW WC/CV0402/R20/340 PL1
Your reference 來函檔號 : KS330/2005

香港九龍公主道101號
土木工程拓展署大樓四樓
4/F, Civil Engineering and
Development Building,
101 Princess Margaret Road,
Kowloon, Hong Kong

Kin Shing Construction Company Limited
1/F,
27 Yin Chong Street,
Mong Kok
Kowloon
(Attn.: Mr. Patrick P K Chau - Site Agent)

24 January 2005

BY MAIL & FAX No. 2780 2085

Dear Sirs,

Contract No. CV/2004/02
Reconstruction of Wong Shek and Ko Lau Wan Public Piers

Material Submission - Geotextile for Silt Curtain

I refer to your letter of 14.1.2005 enclosing the particulars of the geotextile for fabrication of silt curtain.

In accordance with PS Clause 26.08(2), the proposed "SG 100/100" woven geotextile manufactured by Bonar Technical Fabrics is approved to be used under the captioned Contract.

Pursuant to PS Clause 26.08(1), you are required to submit details of the silt curtains 3 weeks before their deployment.

Contract No.	Initial	Copy	Action
CM			
PM			
SA			
Sub-A			
Eng.(1)			
Eng.(2)			
Q.F.			
Foreman			
Q.S.			
Safety			
Material			
Survey			

Yours faithfully,

(W H LEE)

Engineer's Representative
Port Works Division
Civil Engineering and Development Department

c.c.
SIOW/P2B - Site Copy

cls

24-FEB-2005 18:57 FROM SFK

TO 25700089

P.01/01

10:10 76101

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

Web site 網址 : <http://www.cedd.gov.hk>
 E-mail 電子郵件 :
 Telephone 電話 : (852) 2762 5035
 Facsimile 傳真 : (852) 2714 2054
 Our reference 本署編號 : (15) in PW WC/CV0306/R20/340 Pt.01
 Your reference 來函編號 : CIV-002091/1.2/HW/SY/CC/me(S0118)
 CIV-002091/1.2/HW/SY/CC/me(S0118)

土木工程處
 Civil Engineering Office

香港九龍公主道 101 號
 土木工程拓展署大樓 4 樓
 4/F, Civil Engineering and
 Development Building,
 101 Princess Margaret Road,
 Kowloon, Hong Kong

18 February 2005

Sun Fook Kong (Civil) Limited
 Rms. 3207-10,
 Great Eagle Centre,
 23 Harbour Road,
 Wan Chai,
 Hong Kong
 (Attn: Mr. Howard KONG - Fax No.2827 6275)

Dear Sirs,

Contract No. CV/2003/06
Stanley Waterfront Improvement Project -
Construction of Pier and Boardwalk

Fabric for Silt Curtain

I refer to your above letters dated 21.1.2005 and 15.2.2005 proposing the SG100/100 fabric supplied by "Bonar Technical Fabrics" for silt curtain.

I have no objection to your proposed material for silt curtain.

Yours faithfully,

Paul Y K MA
 (Paul Y K MA)

Engineer's Representative
 Port Works Division
 Civil Engineering and Development Department

c.c.
 Site Office (Attn: SIOW/PIA)
 CEG/PIA

File PW WC/CV0306/M10/300

YKM/elen

Post-It® Fax Note 7671		Date 24/2/05
To MR. STANLEY WAN		From CHANG SZE FAO
Co./Dept. G&E		Co. SFK
Phone # 25060028		Phone # 60847703
Fax # 25700089		Fax #

TOTAL P.01

Maunsell Consultants Asia Ltd

8/F Grand Central Plaza, Tower 2, 138 Shatin Rural Committee Road, Shatin, N.T., Hong Kong

茂盛(亞洲)工程顧問有限公司

香港新界沙田鄉事會路 138 號新城市中央廣場第 2 座 8 樓

T +852 2605 3262 F +852 2691 2649 www.maunsell.aecom.com

GRE's Office T +852 2669 0708 F +852 2631 2889 E sre@triv.com.hk

Your Ref. : DC0706/M1.2/1512 & 1529

Our Ref. : (DC/2007/06)/R20/106(0023)

Chiu Hing Construction & Transportation Co. Ltd.

Room 201, 2/F Fuk Shing Commercial Building

28 On Lok Mun Street

On Lok Tsuen, Fanling

New Territories, Hong Kong

Attn : Mr. Roger Lau (Site Agent)

13 November 2008

Dear Sir,

Contract No. DC/2007/06

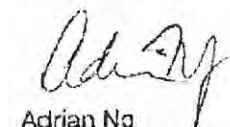
**River Improvement Works in Upper Lam Tsuen River,
She Shan River and Upper Tai Po River**

Proposed Geotextile at Gabion Wall in She Shan River and Upper Tai Po River

I refer to your letter dated 7 November 2008 and 12 November 2008 respectively.

Please be advised that since the water flow rate of the proposed geotextile model Bortec SG100/100 meets the requirements in accordance with P.S. Clause 7.150, I have no further objections to your proposed use of woven geotextile model Bortec SG100/100, supplied by "G and E Company Ltd." at gabion wall in She Shan River and Tai Po River, subject to its satisfactory performance on site.

Yours faithfully,



Adrian Ng
Resident Engineer

cc MCAL - Attn : Mr. Conder Yan
Chiu Hing H.O.

AN/SCek

RECEIVED
13 NOV 2008

BY:



Bontec SG110/110
Woven Polypropylene Geotextile

About the Supplier - 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

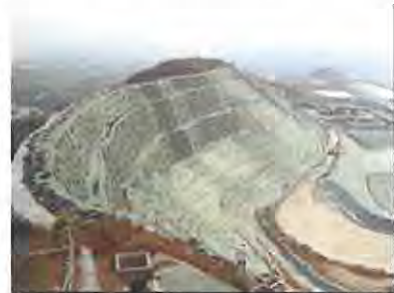
Fax: 2570 0089

website: www.g-and-e.com

G and E Company – a Perspective

G and E, founded in 1984, is a geosynthetics specialist who distributes a wide variety of geosynthetics from a global list of renowned manufacturers. The Company also manages a competent installation contracting service. To better serve our clients, design and engineering service have also been established in our portfolio. It is our goal that we can provide comprehensive engineering solutions to our clients, from technical application and design, the supply of materials and their installation, as well as the conformance testing and system commissioning.

G and E takes a strong vision on geosynthetics application and development by working closely with international consultants, academics, professional organizations, research institutions and worldwide manufacturers in the industry, a mission to broaden the versatility of geosynthetics and its innovation.



Our product range covers:

Geotextile, geomembrane, geodrain, geogrid, geoblock, band drain, erosion control synthetic, Geosynthetic clay liner, rockfall barrier, gabion HDPE geopipe with extended application in waterproofing and environmental control as well as silt curtain, and geotextile container fabrication.

We offer our clients:

- Extensive product experience
- Comprehensive services, application, design, installation and commissioning
- Highly attentive and superior professional work
- High quality products
- Flexible & competent management



Recognized as a member of the International Association of Geosynthetic Installers and a VSRS registered subcontractor, G and E had maintained a remarkable successful working relationship with a long list of clients, the Government, project owners, contractors, designers, consultant engineers, overseas distributors and traders. The client base extends to Macau, Southeast Asia and Southern China.

Talk to us today and see how we can work together for cost-effective and time saving solutions. We are stepping into the 27th year in the field and have vast experience to share with you.

A member of



Product Endorsement



A Registered Subcontractor



THE GEOSYNTHETICS SPECIALIST

G and E is a distribution network and sourcing agent of geosynthetics as well as a provider of professional installation services.



SG110/110 woven geotextile use as silt protector at Wanchai Development Phase II, Oct 2010

The company handles a comprehensive range of geosynthetic materials:

<u>GEOTEXTILE:</u>	PP, PET woven, non woven, thermal bonded, needle punched
<u>GEOMEMBRANE:</u>	HDPE, LLDPE, PVC, keyed preformed, tunnel lining, concrete protection liner, gas barrier, basement waterproofing, leakage collection & fluid containment
<u>GEODRAIN:</u>	Geonet, geocomposite, band drain, sheet drain
<u>GEOGRID:</u>	HDPE, PET for reinforced slope and wall, MSEW, rockfall barrier
<u>EROSION CONTROL:</u>	Erosion mat, concrete mat, coir mat, geocell, reno-mattress, gabion, rockfall mesh, flexible rockfall fence, concrete form
<u>MARINE ENGINEERING:</u>	Silt curtain, sound attenuation system and turbidity control, trash boom, geotextile container
<u>GCL:</u>	Geosynthetic clay liner, bentonite liner and composite
<u>HDPE PIPE:</u>	Sewer pipe, Spirolite, submarine outfall
<u>OTHERS:</u>	Steel fiber, polypropylene fiber
<u>SPECIAL SERVICE:</u>	Geomembrane leak location survey

GAND E COMPANY LIMITED

Room B, 13/F, Cheung Lee Industrial Bldg, 9 Cheung Lee Street, Chaiwan, Hong Kong
Tel: 2508 0058 / 2570 0103 Fax: 25700089 e-mail: wing@g-and-e.com website: www.g-and-e.com

Nov 2010

bontec
a bonar technical fabrics product

bontec
woven and nonwoven geotextiles

SG 110/110



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

Woven geotextiles: Standard Grade – High Flow – High Strength
Non woven geotextiles: thermobounded (NW)–needlepunched (SNW & VNW)
Geocomposites: LG
Concrete mattresses: TM