

SGS *news*

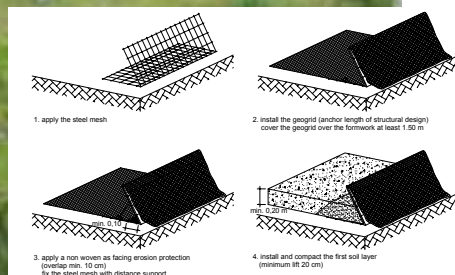
Southern Geosynthetics Supplies Pty Ltd

Volume 10, Issue 1: February 2012

Green Walls



CLOVER LEAF REINFORCED FEATURE WALL AT TORINO, ITALY 2006



Inside:

Rainsmart Ellipse
Rainwater Harvesting

Canal stops channel
seepage

Road Grid

The ultimate "green wall" system! Simple bent steel mesh face combined with Fortrac geogrid soil reinforcement makes all types of retaining wall structures possible. Structural applications include road slip repair, bridge abutments and dam spillways. Visually, the Huesker "Green Wall" system offers landscape designers a new way to create attractive landscape features. Best yet the Green Wall system is quicker and cheaper than gabion walls and the 8mm steel mesh bar lasts much longer than 3mm steel wire of gabions. Huesker provides world-wide expertise and expert design assistance with local support from SGS.



GREEN REINFORCED SOIL MOUND



SPILLWAY CONSTRUCTED WITH FORTRAC-REINFORCED BENT STEEL MESH





SIMPLE "PEEL AND STICK"
ROADGRID INSTALLATION



Road Grid

Roadgrid is a new Australian-made self-adhesive bitumen tape product aimed at solving the problem of reflective cracking of asphalt overlays. Roadgrid combines the best of two products - a high-strength polyester reinforcing grid and a solid bitumen backing tape. The 50x50kN/m grid provides the reinforcement to intercept and deter reflective cracking whilst the bitumen backing provides an effective waterproofing tape. Supplied in a simple "peel and stick" tape form in a range of roll widths up to 1m, Roadtape is easy and quick to apply. Don't waste your money on regular crack repairs using liquid "poured in" crack sealant. Seal cracks effectively with Roadgrid, reinforce the crack and overlay with confidence - do it once and do it right!

Rainsmart Ellipse Rainwater Harvesting

The Rainsmart Ellipse modular rainwater tank system continues to prove itself in local projects. At the Collingwood Leisure Centre project a 120kL tank was quickly installed during October 2011 by plumbing contractor D.J.Kett. Design innovations included incorporating the concrete stormwater pit within the tank so that the CANAL geocomposite liner fully encapsulated the tank and pit. Flushable triple Ellipse modules were aligned to form a flush-through channel to ensure easy long-term maintenance. The modules were supplied to site pre-assembled to speed-up installation. See the video of the full installation on our new web site at www.geosynthetics.com.au

Not to be outdone Hudson Civil Products in Tasmania recently supplied a 92kL tank formed from Ellipse Quad modules. A traditional welded poly liner and geotextile wrap was used as the waterproofing liner.

Rainsmart has recently introduced half-height mini-modules to further increase flexibility of tank layout.



COLLINGWOOD LEISURE CENTRE 120KL ELLIPSE TANK



TASMANIAN 92KL ELLIPSE QUAD TANK

CANAL stops channel seepage



SEAMING CANAL 8208 WITH HOT-MELT GLUE

Goulburn-Murray Water had a major on-going seepage problem on the main irrigation channel through the Pyramid Hill area. The options for repair included ripping down the channel bank and rebuilding the bank with good impermeable material or trying to intercept the seepage with a cut-off liner.



CANAL 8208 AT GMW PYRAMID HILL CHANNEL

CANAL 8208 geocomposite liner was chosen as the preferred liner based on previous good experience on a similar project in 2008 at Gunbower Creek.

Some 770LM of 5m wide **CANAL** was installed by GMW contactors in August 2011. Part of the channel bank was removed and the **CANAL** placed, extending some 600mm below natural ground level to form an effective cut-off barrier to water. Adjoining rolls of **CANAL** were seamed with Jowat hot-melt glue. The bank was then reinstated, burying the **CANAL**.

Gabions

Southern Geosynthetics now supplies gabions and mattresses!



Top quality galvanised and PVC coated gabions and mattresses in a full range of sizes.

Gabions are a popular choice for retaining wall structures and for road slip repair. Gabions may be combined in a block to form a "mass gravity" structure, or used as a wall facing combined with a Fortrac geogrid tie-back. Mattresses are used to line waterways and prevent erosion.

SGS provides computer-aided design assistance to help choose the best design solution for your project.



4 Environmental Control

SGS supplies a full range of geosynthetic products for environmental control.

ENVIROMAT™



ENVIROMAT INSTALLATION AT TULLAMARINE

Enviromat is the proven solution for erosion control. The tough, long lasting wood-wool mat provides the best erosion protection whilst effectively promoting grass growth. Made in Australia, Enviromat lasts twice as long as similar Jute fibre mats.



JUTE MESH

Low-cost Jute Mesh "Soil Saver" is a good short term erosion control solution.



JUTE MESH MAT

Jute mat acts as a natural mulch, reduces water evaporation and soil erosion. Pre-slitted jute allows rapid planting out through the mat. The natural jute fibre is bio-degradable.



SILT FENCE

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Control of silt run-off from building and construction sites is now an important environmental consideration. Woven silt fence is the effective, low-cost solution.



SILT SAUSAGE

Silt Sausages are a quick, convenient method of filtering gross pollutants from stormwater flows. Made from tough DUX non-woven geotextile, the 1.3m long sausages are supplied pre-filled with scoria and are placed at the entry to stormwater pits or across swale drains to intercept storm flows.

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New Ideas are hard. Innovation is hard. But as Damon Darlin once said, "Innovate or die". At SGS we can give you the edge in civil engineering applications of geosynthetics, including soil reinforcement, pavement subgrade improvement, stormwater management, reflective crack control in asphalt, geocomposite liners and drainage layers.

At SGS we work hard to bring you the best new geosynthetic products and ground improvement techniques. With 20 years industry experience I can help you find the best product for your project, without being tied to one manufacturer. Every contractor knows that margins are getting tighter. At SGS we can help you find the edge. At SGS we offer expert advice, express delivery and after hours service. As our motto says, "Melior Via" - A Better Way.



ENGINEERS
AUSTRALIA
Professional Engineers
MEMBER



The information presented herein is, to the best of our knowledge and belief, correct. It is subject to periodic review and revision. The validity of the information relative to the soil and engineering conditions must be ascertained by a suitably qualified person. No warranty is either expressed or implied.



We're on the web!
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