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We're on the web!
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Southern Geosynthetics offers a full range of erosion control products including SuperGro®, SiltStop® silt fences, Silt Curtains and now Silt Sausage™.



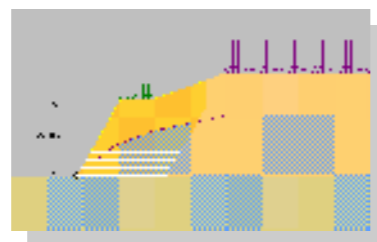
Stop Press !

DUX geotextile is now available in Sydney from Jay-bro. Contact Jeremy on 02 9623 3444

Mt. Buller Embankment



Fortrac geogrid was used in embankment widening works at Mt. Buller in May 2006. To gain more space at the horsehill car park some 20,000 cubic metres of locally won select fill was used to construct a 20 metre high embankment. A key of 200 metres long by 6 metres wide was constructed along the toe of the proposed works. Tip trucks were used to cart the material onto the key and this was spread out with an excavator. To reinforce the soil and stabilize the slope **Fortrac** geogrid was placed within the fill at 1 metre vertical intervals. The method used was to lay out the **Fortrac** geogrid over the entire bench, cover it with a layer of 100mm minus material 300mm thick and compact with a pad foot roller, after several passes the bench was topped up with material up to 400mm in size, compacted and so on. The grid spacing was increased to two metre intervals in the upper half of the fill.



Typical cross-section showing Fortrac geogrid

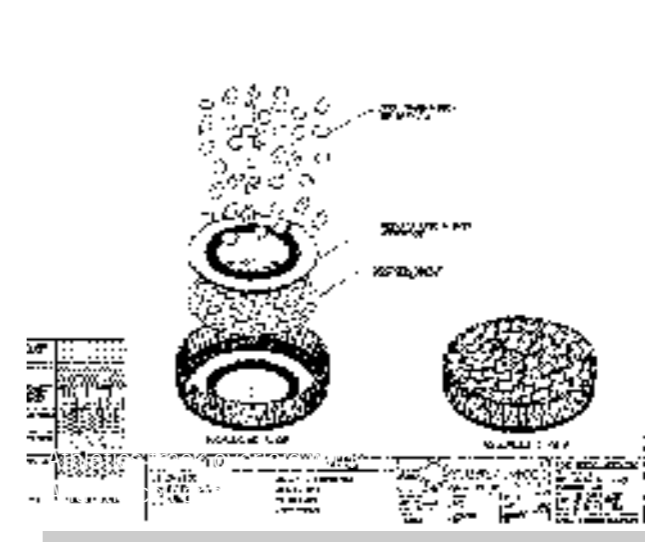
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SGS NEWS

NEW ECOFLEX CIVIL PRODUCTS



SGS is proud to announce that it has been appointed Victorian distributor for the **Ecoflex** range of civil engineering products. Modified recycled tyres are filled with granular material to form a structural building block patented as the **Ecoflex** unit. The **Ecoflex** unit is strong, durable, flexible, robust, has a design life greater than 100 years and offers significant cost savings over alternative systems. **Ecoflex** came to notice recently when it was used to construct 16km of access roads over very soft, CBR 2% ground for Energy Australia at Tomago, near Newcastle. **Ecoflex** was selected in a competitive tender against alternative designs and saved the client 15% over conventional macadam pavement.

The **Ecoflex** system is ideal in a range of civil engineering applications including:

Retaining Walls

Road Construction

Erosion Control on stream banks

Concrete Slab void fillers

See the web site at www.ecoflex.com.au or call Wayne on 039 719 7969.



“FAST RAIL” EMBANKMENT

Railway track upgrade works along the Melbourne to Ballarat line at Horseshoe Bend near Bacchus Marsh led to the need for embankment widening works to improve stability.

To ensure good drainage a layer of **Fildrain 7DW** was placed between the existing embankment and the new imported fill. **Fildrain 7DW**, manufactured in the UK by ABG, is a drainage geocomposite consisting of a 7mm thick double-cusped core entirely wrapped in a non-woven geotextile. Fildrain is specifically designed to provide drainage from both sides of the panel and the 2.4m wide rolls minimize overlaps and wastage. For more details see the web site at www.abgltd.com



FORTRAC DOUBLE-LAYER TESTING

Recent testing at the University of Newcastle confirms the improved pull-out performance of Huesker’s patented **Fortrac** double-layer connection. The new Tasman segmental concrete block retaining wall product was tested to NCMA Test Method SRWU-1 but with the geogrid doubled over at the blocks. This improved the connection by more than 50%, which allows for a more efficient design. New standard design tables are available from Island Block which incorporates this improved design. **Fortrac’s** junction strength capacity, high tensile modulus and double layered connection can deliver the strongest connection for any block facing. See the web site at www.islandblock-paving.com.au



SOIL SAVER FOR EROSION CONTROL

Effective, affordable erosion control is important for civil and landscape projects. **Soil Saver** jute mesh is made from natural, biodegradable jute fibre twisted into a strong, open mesh and protects slopes and river banks from damaging soil run-off during storms. The open mesh allows vegetation to quickly establish. Best yet, at a low cost of around \$0.60/sqm it is affordable enough to be used across broad areas.

Soil Saver has recently been used at Kennedy Creek at Pakenham. As part of stream construction works, contractor Robert House & Associates installed some 12,000sqm along the waterway banks.



Fornit 30 at Docklands

Hardstand construction at Melbourne Docklands required initial subgrade improvement works, ideal for **Fornit 30/30** geogrid.

Fornit 30/30 biaxial polypropylene geogrid provides real basecourse reinforcement. The 5.2m wide rolls provide maximum site coverage and minimize wastage. See the web site at www.huesker.com

