Tiltex AUSTRALIA

Press Release

June 2024 | For Immediate Release

Tiltex 10B & Sandmat Erosion & Drainage Control Mining Project for Newmont Mines

Newmont Telfer Gold Mine Box Cut Scour & Drainage Protection with our exclusive Tiltex 10B & Sandmat Geocomposite

Western Australia - Tiltex 10B Basalt fibre enhanced Anti Cracking GCCM & Sandmat drainage geocomposite was chosen by Newmont Telfer Gold Mine for ground surface barrier erosion control to the box cut benched batter sidings to the underground mine access tunnel entrance.

Tiltex 10B was an ideal fit for controlling erosion on steep, benched batters to Newcrest's box cut project. Sandmat was placed underneath Tiltex 10B to further control seepage and conveyance to prevent erosion and displacement of the subsoil. Sandmat is a geocomposite material impregnated

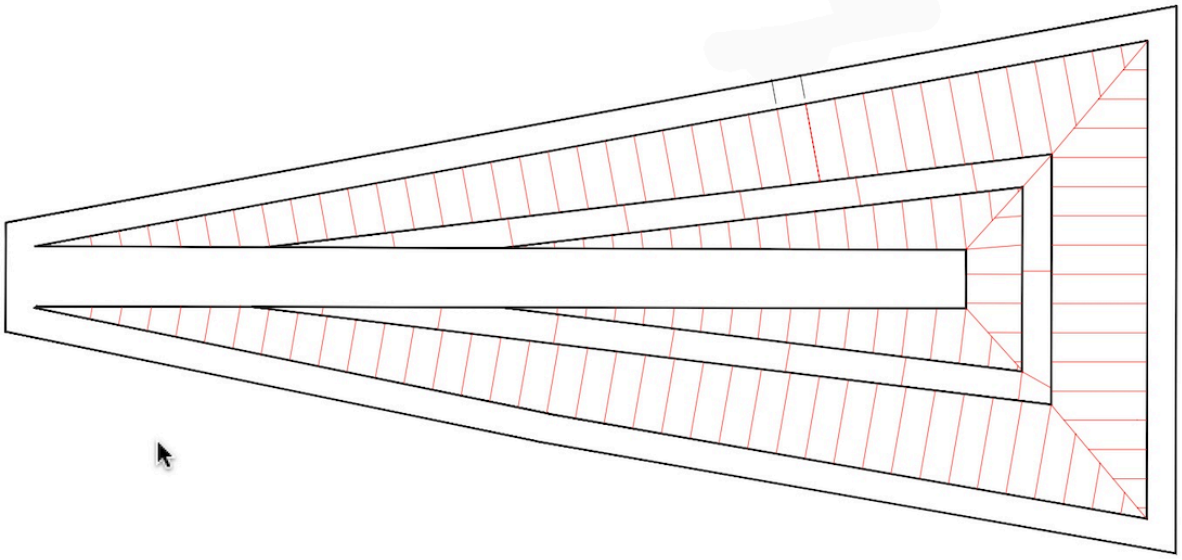
with a layer of quartz sand, needle punched between two layers of non-woven geo-textile fabric which formed a high strength, robust protection and drainage layer.

Safety was paramount to a controlled deployment of Sandmat & Tiltex 10B rolls over long & steep batters of the Box Cut.

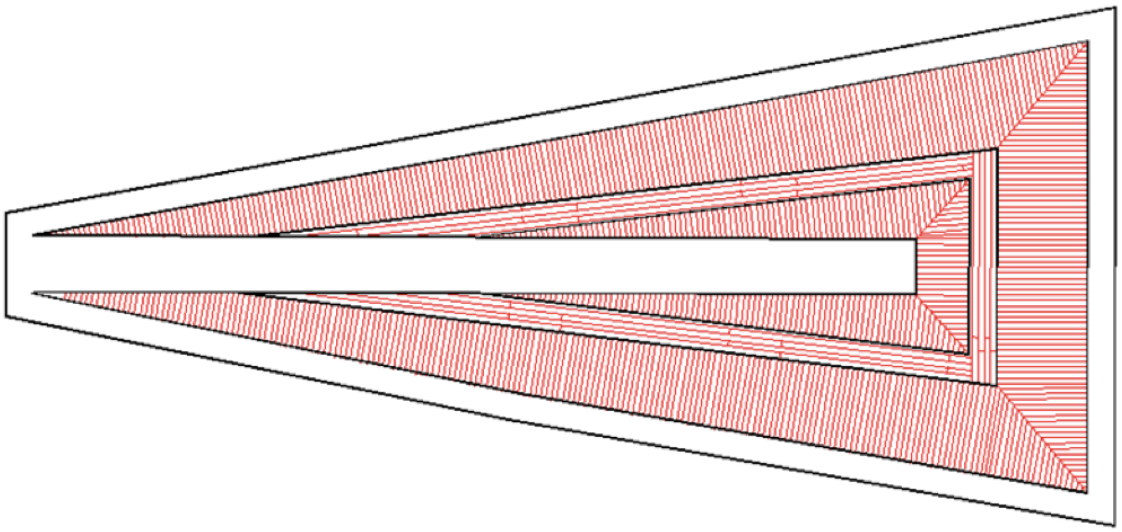
Tiltex 10B GCCM was selected over Revetment Mattress, Shotcrete and other GCCM alternatives due to a number of factors including high compressive & flexural strength, durability and wide panel widths plus Tiltex Australia's vast installation expertise.

Tiltex Australia customised the Tiltex 10B roll lengths to suit the varying batter lengths of the Box Cut design, to reduce costs and minimise additional time of steep batters.

LAYOUT OF TILTEX 10B GCCM PANELS - 5 METRE WIDE



LAYOUT OF OTHER GCCM PANEL OPTION NOT USED - 1.1 METRE WIDE



Reduced number of panels & seams equates to less install time resulting in significant cost and material savings.

Reduced material wastage by 2,000m2 saving our client over $100,000.

40% less man hours were required working on steep batters.

Further ways in which we enhanced the client's project:

- Custom Tiltex 10B GCCM 5m wide rolls in 20m, 25m, 30m and 32m roll lengths were individually sequenced to a panel layout plan then deployed by a crane for placement onto the steep benched batters. Each Tiltex 10B panel was overlapped longitudinally by 150mm and bonded with STAB 40 . There were no requirements for cross width seaming and soil anchors on batters which reduced the time for Tiltex Australia installers working on slopes with the potential for fatigue.
- Tiltex Australia designed and proposed a Safe Work Method Statement for the safe installation of Tiltex 10B GCCM to mine management & mine safety for review & approvals.
- Tiltex Australia supplies and installs projects with our experienced Tiltex installation personnel to guarantee installation success.
- Tiltex 10B sheet panel overlaps were seam bonded to create a monolithic impermeable & durable barrier to stop scouring and migration of soil debris from falling onto the tunnel access ramp.
- Tiltex 10B rolls were easily freighted to site on B Doubles.

Tiltex 10B 80 MPa cementitious materials are designed with high compressive & flexural strength with impressive durability for high flows and hot conditions.

The project saved time, money and provided a high quality engineering solution.

Both Tiltex B and Sandmat drainage geocomposite are exclusive to Tiltex Australia.

To find out more live chat with our sales team at www.tiltexaustralia.com.au or contact Ben Curtis at enquiries@tiltexaustralia.au or Tom Curtis at tom@tiltexaustralia.com.au.

About Tiltex Australia

Our exclusive Tiltex B range GCCM range, (*"concrete in a roll"*) with enhanced basalt fibre, provides 80MPa Compressive Strength, 16.1MPa Flexural Strength* and is available in 5m wide x 20m long rolls (can be customised).

Tiltex B range is used for erosion control throughout Australia & internationally for civilian & military applications. We provide full turn key solutions with engineering design, product supply and full installation.

*after 7 days

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