DESIGNED TO DRAIN WATER BEHIND RETAINING WALLS & BASEMENTS

GEOSHEET® DRAINAGE GEOCOMPOSITE

INSTALLATION GUIDE

HOW IT WORKS

Geosheet when laid against the structure removes excess water from the soil backfill and transports the water down to the collector drain (see Figure 1).

It incorporates a non-woven geotextile and in most soils, the geotextile ensures stable filtration of the adjacent soil.

A soil filter develops within the first few millimetres of soil against the geotextile. As water passes from the original soil into the drain, it washes a few small particles with it for a short period of time after installation.

As the particles are washed through, a bridging network of slightly larger particles builds up against the geotextile.

This network prevents further small particles from being washed through, stabilising the soil and allowing only water to pass through the system (see Figure2).

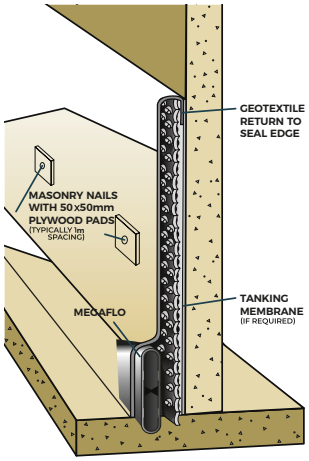


FIGURE 1.
BUILDING BASEMENTS/CELLARS (NOT TO SCALE)

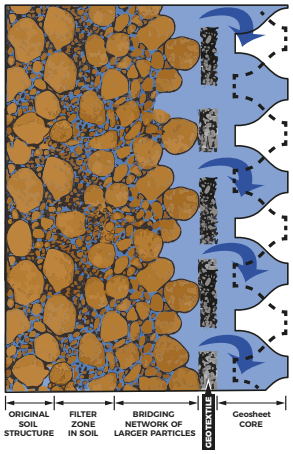


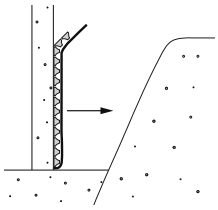
FIGURE 2.
MAGNIFIED CROSS SECTION OF Geosheet *& SOIL FILTER (NOT TO SCALE)*

STORAGE AND HANDLING

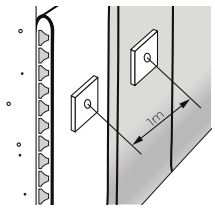
Keep rolls stored on a dry, clean and even surface fully wrapped to protect the product from UV exposure.

PRODUCT INSTALLATION

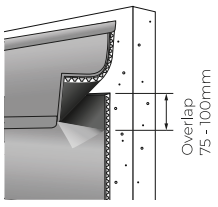
1. Measure wall height and cut length of Geosheet. Geosheet can be cut using most commonly available cutting blades. Ensure that Geosheet is not walked on that would result in damage to the product.
2. Place Geosheet up against the wall with the geotextile facing the soil you wish to drain.



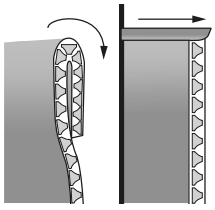
3. Fix with masonry nails through a 50mm x 50mm pad of plywood or if waterproofing materials have already been applied then fix with a contact adhesive covering 5 raised cuspates at 1m centres.



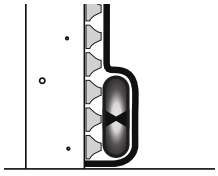
4. Join sheets horizontally by overlapping the black core layer by 75 – 100mm. The top geotextile is then lapped over the bottom geotextile and then taped down in position. Vertical joints are made similarly by overlapping cores and geotextile and taping down the top geotextile.



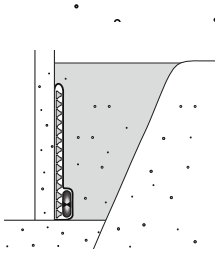
5. At the top of the Geosheet the fabric must either be turned over the core or secured against the wall using tape to prevent ingress of soil into the core.



6. Peel back the geotextile at the base of the core and place Megaflo collector drain up against the core along the base of the wall and lay geotextile back over Megaflo Green.



7. Backfill materials should be installed within 2 weeks to cover the Geosheet from exposure to UV. The backfill should be free draining to allow water to flow through to Geosheet. Clay is not allowed. Backfilling and compaction to be carried out in accordance with the project specification.



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