

Do it yourself - 8 steps to laying

1 BASE PREPARATION

Start by digging a trench approximately 600mm wide and 250mm deep. Fill trench with 150mm to 200mm of road base. 150mm for walls up to 1m. Extra thickness is required for high walls. See engineer's designs. Compact road base well.


2 SAND BED

Cover road base with approximately 25mm of sharp sand or crushed blue metal. Screed to a true level. Starting from the lowest point if the wall is stepping up.

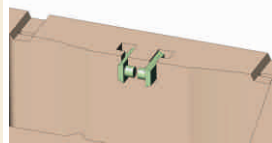
3 LAYING 1ST COURSE

Place unit onto base. It is essential that this first course of units is placed accurately to line and level using a spirit level. For walls up to 1 metre high, make sure 100mm of the first block course is below the finished ground level. Allow 200mm for walls over 1 metre high and 300mm for walls over 2 metres high. (Compact gravel along top of the wall units to stabilise.)

4 GUIDE MEMBER PLACEMENT

Place guide members in groove with  facing upward and forward. There are some instances where the guide members are left out when the wall begins to curve. This is only the case for one or two guide members in each course. It is important that all other guide members are in place.

guide members in storage



guide members in position



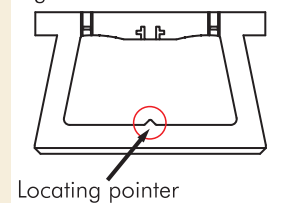
5 DRAINAGE & BACK FILL

Place a PVC ag-pipe with a geotextile sock behind the wall. Pipe to have a 1 in 100 fall. Backfill behind the wall 200-300mm using 10-20mm clean, free draining material. High compaction must be achieved on backfill material. Fill each unit's core with the same free-draining material. Do not use soft or wet clay as backfill material.

6 PLACING GEOGRID & ADDITIONAL COURSES

Clean top of unit from debris to ensure that the next unit and/or the geogrid will sit neatly. Geogrid is to be rolled perpendicular to the wall, pulled tight and cut to the required length. Make sure Geogrid sits within 15mm of the face of the block, and also make sure that lock pins clip into the Geogrid. Lay the next course on top of the Geogrid. Continue laying the subsequent courses following the same procedure as the first course. Place each course in running bond with course below using locating pointer (see fig.3 to keep in bond). Maintain high compaction rate on backfill material.

Figure 3



7 LAYING CAPPING UNITS

Fit the Trendstone capping units once the backfilling and cleaning is complete. For domestic wall installations, a waterproof construction adhesive is recommended. For high use areas, a 2-part epoxy is preferred.

8 SURFACE DRAINAGE LAYER

Care should be taken where possible to divert water away from the face of the wall. If the surface water cannot be taken away from the top of the wall, place a 100-150mm clay (or similar) impermeable layer on top of the wall fill (see fig. 2). If soil is used on top of the wall, a layer of geotextile must be used to stop any soil filtering down through the drainage layer (see fig. 1).