BRIEF INSTALLATION GUIDELINES

Develop a precise plan for your Terrafence wall by examining your site, noting slopes, drainage and shape of wall. Measure the length and vertical height to obtain the surface area and thus the number of units required. Remember that retaining walls require professional design / supervision input and must comply with local building regulations.

1. Prepare a level foundation, gravel or concrete as directed by site conditions. Compacted gravel foundations are usually sufficient for structures not higher than 1 meter. On sloping sites the foundation may be stepped by block height at intervals to suit the slope.
2. Place first row of blocks to required alignment and ensure that the units are level in all directions. A small amount of mortar will assist with accurate levelling on a concrete foundation. Note: Stretcher bond is preferred but not always possible. Stack bond is allowed. Always ensure an interlock with matching profiled corners.
3. Install drainage pipe with outlet and free draining backfill as specified behind first row of blocks. A length of flexible pipe will assist in setting out smooth curves.

TOOLS YOU MAY NEED

- Pick
- Shovel or spade
- Line and level
- Trowel
- Occasionally a disc cutter

Your supplier will recommend a qualified installer for that professional finish.

MAXIMUM WALL HEIGHTS (IN BLOCK HEIGHT, METRES, FEET) AND SETBACK TABLE FOR THE TERRAFENCE 4x4 MULTI BLOCK. (MULTI PURPOSE STAIR AND RETAINING BLOCK)

<table>
<thead>
<tr>
<th>RETAINED SOIL</th>
<th>BACKSLOPE ABOVE CREST OF RETAINING WALL</th>
<th>WALL INCLINATION FROM HORIZONTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90°</td>
<td>85°</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td></td>
<td>237</td>
<td>230</td>
</tr>
<tr>
<td></td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td>350</td>
<td>350</td>
</tr>
<tr>
<td></td>
<td>750</td>
<td>750</td>
</tr>
</tbody>
</table>

WALL INCLINATION FROM HORIZONTAL

- A: 0.0
- B: 0.0
- C: 0.0

MORTARLINE

<table>
<thead>
<tr>
<th>UNITS PER BLOCK</th>
<th>BLOCK MASS (lb)</th>
<th>BLOCK INFILL VOLUME (in³)</th>
<th>MASS OF WALL INCL. SOIL (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>18</td>
<td>0.687</td>
<td>750</td>
</tr>
<tr>
<td>12</td>
<td>14</td>
<td>0.52</td>
<td>350</td>
</tr>
</tbody>
</table>

Note: Blocks are supplied without the centre web in some areas. Here block must be filled with a load bearing mix.

Wall Details - allow for small variations

1. Wall height measured from top of foundation / leveling pad.
2. Top of foundation / leveling pad a minimum of 150mm / 5.5 ft below ground level.
3. No allowance made for surcharge above wall.
4. Factors of safety for shear and overturning = 1.5

5. These Terrafence Design Tables give a indication of internal gravity retaining wall stability only and are intended for conceptual design and estimation purposes only. They do not take into account external and overall slope stability or boundary conditions such as the presence of groundwater.

6. Users of Terrafence walls should seek the advice of a professional geotechnical and/or civil engineer for the assessment of appropriate site and soil parameters. Terrafence cannot accept responsibility for the actual design or construction of a wall unless otherwise agreed.

7. Copies of design manuals / software, case studies and test results are available on request.

Contact your local nursery for advice on suitable plants.

Note! These tables indicate the total allowable height when walls are to be constructed without vertical interlocking keys.