RIVERCREST®

REF: Detail_Rivercrest_Geogrid Installation Sequence

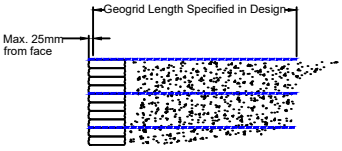
GEOGRID INSTALLATION SEQUENCE

Step 1. All units must be pushed back toward the reinforcement zone.
This will guarantee the wall a very slight lean (batter), which is preferred when building higher walls.

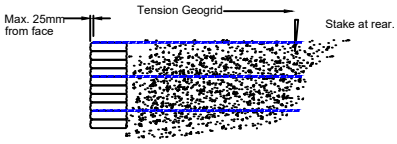
Step 2. Option 1 - For each course secure the wall by placing a bead of approved Concrete Adhesive along the top surface on the front and back of the units. Lay the geogrid and ensure it is secured in both beads of adhesive. Place and compacted infill level with top of SRW block.

Step 2. Option 2 - For each course, fill the unit alignment cores flush to the top with a washed 1/4" angular chip aggregate. Lay the geogrid so that the edge extends at least 25mm past the alignment core toward the front edge of the unit Place and compacted infill level with top of SRW block.

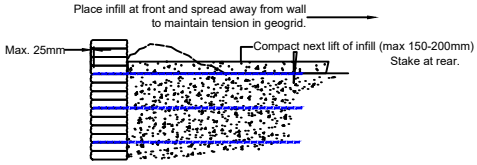
Step 3. Place geogrid on top of block within 25mm (1") of face.
For most Risi Stone blocks, the geogrid will be placed past the front edge of the chamfer (as shown).



Step 4. Secure geogrid in place at face with next course and pull geogrid taut. Maintain tension with temporary stakes as shown.



Step 5. Place infill material near face of wall and spread back, away from wall to maintain geogrid tension. Compact infill material in max. 150mm-200mm (6"-8") lifts. Continue process to next geogrid layer.



REFER ALSO TO RIVERCREST INSTALLATION GUIDE

Notes:

1. Follow geosynethic manufacturer's installation instructions and specifications. Care must be taken to ensure geogrid is not damaged during construction or subject to UV exposure.

2. Do not allow ANY tracked equipment directly on top of the geogrid. For necessary travel on the geogrid, use only lightweight rubber tired equipment operating at slow speeds (less than 10 mph); do not allow braking or sharp turning.

3. Geogrid length, placement and type shall be as indicated in the Wall Design.

4. Geogrid must be placed in direction of highest strength (roll direction) perpendicular to face of wall. (i.e. - Do not roll out geogrid along the length of the wall).

5. Compacted infill must be level with the top of the block prior to placement of geogrid.

6. Remove all debris from the top of the SRW block prior to placement of geogrid.

7. Geogrid must be placed within 25mm (1") of the front face of the block.

8. Geogrid must be pulled taut, removing any slack or wrinkles prior to the placement of infill material. The use of temporary stakes to maintain tension of the geogrid is good practice. Infill material should be dumped close to the face of the wall and raked away from the wall to maintain tension in the geogrid during backfilling. When infill material is placed, caution must be used to ensure hand equipment (shovels and rakes) does not contact the geogrid or cause damage.

9. Adjacent sections of geogrid shall abut each other (not overlap or gap) at the face of the wall to ensure continuous geogrid coverage. Geogrid cannot be spliced to create the required length into the back - the geogrid must be one continuous piece.

10. Do not stack more than two (2) courses of block prior to backfilling wall.

RisiStone

Engineering design by RisiStone Inc.