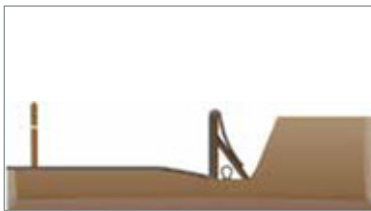


Method Statement - Glasscrete



■ EXCAVATION

Excavate immediately prior to the introduction of GEOCELL® to meet flatness and compressive strength in accordance with the object-related requirements. Excavate to formation level and trim/remove any loose material to provide a uniform flat surface. Lay sewage pipes in pipe trenches and fill with sand on subgrade level.



■ LAY GEOTEXTILE

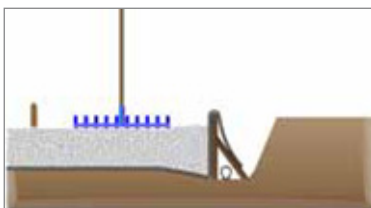
Install auxiliary formwork for GEOCELL® and install non-woven geotextile 150g/m² separation membrane which is to be wrapped up the edges of the completed GEOCELL® installation and overlapped with the surface geotextile.

Position splice bars marking the compacted (final) height of GEOCELL®, at regular intervals.



■ INSTALL GEOCELL®

Filling in the work area can be done by dumper or by wheel barrow to simply, easily and quickly spread GEOCELL® to the required loose thickness by hand using rakes.



■ LEVEL GEOCELL®

For smaller sites, level GEOCELL® uniformly to the marked height using an excavator shovel and rakes. For larger construction sites a mechanical distribution is carried out before the head by a charger or a shovel. Driving over the uncompacted material should be avoided, as pre-compaction increases material consumption.



■ COMPACTION OF GEOCELL®

For small sites, compacting shall be performed by a lightweight vibrating shovel compactor (< 100 kg, frequency ~100Hz). Excessive compaction leads to increasing material consumption, but does not have a negative impact on the technical specifications. For design thickness greater than 300mm, placing and compaction is to be undertaken in two or three separate layers.

AFTER COMPACTION

Once the Geocell has been levelled & compacted then the second layer of geotextile, membrane is laid over it.

If installing underfloor heating (UFH) then the E'Grid 2020 Geogrid is layed over the geotextile. This is used as a fixing layer for UFH clip rails or other clipping system.

Once the geotextile, geogrid & UFH pipes are in place then the screed can be laid, this is the final layer of the Glasscrete system. The screed is mixed at a 2:1 ratio (Sand: NHL) and is normally 100mm in thickness (75mm minimum)

The curing time is approx 7 - 14 days. In addition if you have installed underfloor heating you cannot use it for a minimum of 4 weeks.

If an additional bedding mortar is required for floor tiles or flag stones etc, allow a suitably thick layer (typically 25mm - 50mm) in a 2:1 mix.