



# MORE REASONS TO FEEL GOOD

LOAD-BEARING  
INSULATION  
FOR GROUND SLABS



## INSTALLATION INSTRUCTIONS JULY 2015



**GEOCELL**  
FOAM GLASS GRAVEL

A HIGH QUALITY RECYCLING GLASS PRODUCT

# IT'S THAT SIMPLE

## GEOCELL® INSTALLATION STEP BY STEP

Preliminary note: The use of GEOCELL® in the capillary fringe of groundwater or water source areas, is not recommended. Install drainage system/capillary moisture barrier if required.



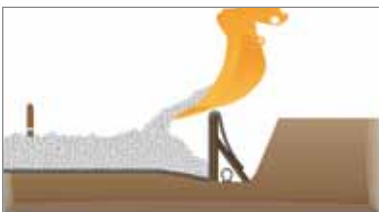
### EXCAVATION

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.



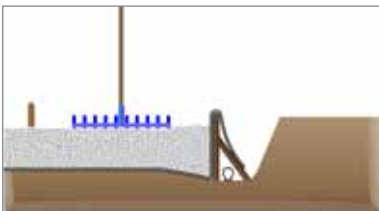
### LAY GEOTEXTIL

Install auxiliary formwork for GEOCELL® and install non-woven geotextile 150g/m<sup>2</sup> 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.



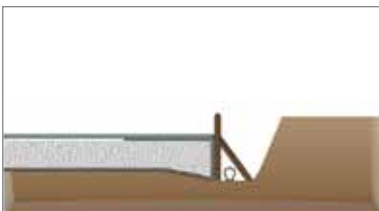
### LEVEL GEOCELL®

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.



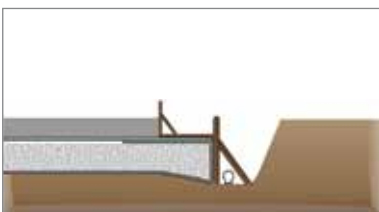
### COMPACTION OF GEOCELL®

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.



### POLYETHYLENE SEPARATION LAYER

Wrap-up the edges of the geotextile to cover the GEOCELL® layer. Protect GEOCELL with overlapping PE-foil.



### INSTALL FORMWORK FOR SLAB

Install formwork for the foundations slab directly on the finished GEOCELL® surface and pour slab to meet static requirements

**GEOCELL® FOAM GLASS GRAVEL**

**THE ECOLOGICAL ALTERNATIVE FOR ALL FOUNDATIONS.**

CE EN-13055-2

**APPROVED QUALITY**

DIBT-ZULASSUNG Z-23.34-1579

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