



## ENERGOCELL FOAM GLASS GRANULES GENERAL INSTALLATION GUIDE

*Guaranteed durability of the foam glass can only be achieved if the material is properly incorporated, according to this guide. During the spreading of the foam glass granules there may be dust in the air and wearing a dust mask is recommended to prevent dust inhalation.*

### The preparation of the ground:

- In ground water or capillary zones immediately above ground water Energocell<sup>®</sup> foam glass granules cannot be used!
- Preparation of the building pit, according to the plans.
- Placing of the infrastructure for building service installations.



### The laying of the geotextile fabric:

- Installation of a geotextile fabric that weighs at least 200g/m<sup>2</sup> is recommended, allowing at least a 20 cm edge for overlapping, and an edge for overlap - eventually for folding back - corresponding to the foam glass that extends beyond the building area (e. g. to separate the fine fractions under the pavement or paving stones).
- After the geotextile fabric is in place the drainage pipes are laid.





---

## The spreading of the Energocell® foam glass granules:

- Depending on the transportation method, the material can be spread directly from the big bag, or poured from the front-end loader.
- For proper compaction it is recommended to spread the granules in no more than 20-cm thick layers. After compacting one layer the procedure must be repeated, until the required finished layer-thickness is reached.



---

## The leveling out of the layer:

To obtain an adequate surface the granule layer must be levelled out. The easiest method for levelling the foam glass layer is raking over it. In case of large surfaces, like that of halls, the work can be executed with rubber-tracked front-end loaders as well. In order to obtain a levelled surface, a levelling instrument should be used.



# energocell®

## Thermally Insulating Foam Glass



### Compaction:

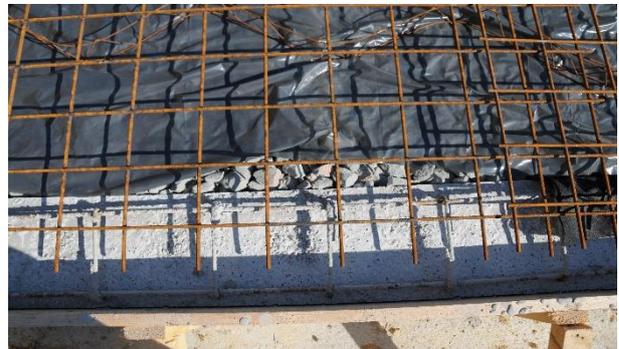
The Energocell® foam glass granules can be compacted with a vibratory plate (50-100 kg) or a vibratory roller (on larger surfaces). Compaction must be executed as described in the section about spreading, and according to the finished layer-thickness, on multiple layers. The recommended compaction rate is 1:1.3-1.4\*.

*\*the applied compaction rate may vary according to the type of application, and the loads imposed on the Energocell® layer.*



### The placing of the separation layer and the concrete:

Before placing the concrete, the surface of the compacted Energocell® foam glass granule layer is covered with a polyethylene separation membrane - with about 20-cm edges for overlapping-, that entraps the cement slurry. Then the concrete blinding layer is placed on this membrane, according to the plans.



### Note:

The incorporation of the foam glass granule layer should be executed immediately before the placing of the concrete. On the surface of the compacted layer occasional circulation with rubber-tracked machinery is possible. In case of regular or any other type of circulation, the surface must be protected!

