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STRUCTURAL ENGINEERING FLOOR CONSTRUCTION WITHOUT GROUND SLAB

Floor renovation with GEOCELL® foam glass gravel without a screed

NEW CONSTRUCTION OF FLOOR SLAB



Picture: © GEOCELL®

RENOVATION OF EXISTING FLOOR SYSTEMS



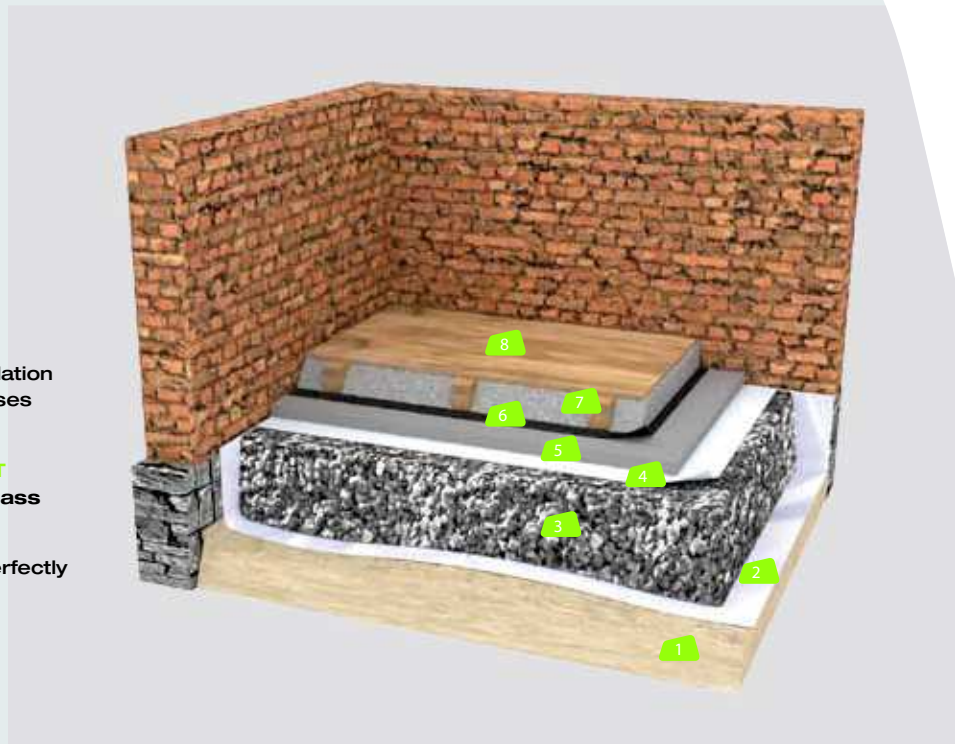
Picture: © GEOCELL®

The floor construction with **GEOCELL® foam glass gravel** is suitable for new constructions and renovations.

Especially in the application of renovation of floor systems of old buildings where the construction height is limited. **GEOCELL®** combines a draining layer and thermal insulation in one product and thus reduces the construction height. Furthermore you can do without ground slabs, if you make the floor structure with **GEOCELL®**. With diffusible structures, additional sealing and subbase is not necessary - this is an enormous saving of work time and effort (under consideration of DIN/ÖNORM)!

ADVANTAGES

- Suitable for **NEW CONSTRUCTIONS** and **RENOVATION OF OLD BUILDINGS**
- No requirement of foundation slabs, gravel and subbases
- **SIGNIFICANT LOWER CONSTRUCTION HEIGHT** with **GEOCELL® foam glass**
- **ENVIRONMENTALLY HARMLESS**, and thus perfectly suited for living areas



- 1 Sub-grade
- 2 Geotextile if necessary
- 3 **GEOCELL® foam glass gravel**
- 4 PE-Foil
- 5 Granular Subbase* / **GEOCELL® foam glass aggregate***
- 6 Compaction according to DIN/ÖNORM*
- 7 Wooden Joists
possible to backfill with GEOCELL® foam glass bubbles
- 8 Floor

*can be eliminated

