

Comparison of Cheaper Foamed Glass with Foamit (This comparison is between Geocell* vs. Foamit 30**)

The principal difference between the two is their compressive strength, with Foamit 30 having a notably higher compressive strength. Obviously for use under-slab this compressive strength is essential. Also you will need a thicker layer of the weaker Geocell than of Foamit 30 and a thicker layer of screed or limecrete over the Geocell

Compressive strength: Geocell= 670 KN/m² Foamit=900 KN/m²

(This is reflected in density/smaller cell structure/amount of air:

Geocell = 150 kg/m³ Foamit = c. 210 kg/m³)

The difference in thermal resistance capability is marginal:

Geocell =0.08 W/mk Foamit =0.1 W/mk

Sources:

**http://www.foamit.fi/DowebEasyCMS/Sivusto/Dokumentit/DOP_FOAMIT%2030%20EN.pdf

*<http://www.geocell-schaumglas.eu/en/foam-glass-gravel/what-is-geocell/>