Pumice light clay infill
Item No. 03.052

Type of clay product Light clay (LL) according to 3.5, clay infill (LT) according to 3.6 of the "clay building rules" of the Dachverband Lehm (German clay construction trade association).

Field of application Pourable ceiling infill for filling, thermal storage and insulation purposes

Composition Natural building clay, natural pumice

Material parameters The dry bulk density and thus the weight per unit area of the ceiling infill depend on the degree of compaction. With a normal installation, this is around 1,000 kg/m^3 (thermal conductivity 0.35 W/mK, μ 5/10).

Supply form Earth-moist in 1.0 t Big Bags

Storage Protect against dehydration (clumping together) or humidification by weather. Apart from changes in consistency, it can be stored for an unlimited period.

Material needs Remember when calculating the material needs that the material is compacted by approx. 15% during installation.

Preparation The light clay is ready for use on delivery. Pour the material between the raft battens or ceiling beams and it normally only needs to be slightly compacted. The bulk density of the ceiling infill and thus the weight per unit area depend on the degree of compaction.

Drying The material should be installed as early as possible in the framing construction phase. Take into account the moisture stress from inserted pieces of wood or other adjacent parts of the building. After application, it is essential to ensure that drying takes place rapidly, e.g. by means of adequate cross-ventilation (all windows and doors kept open 24 hours a day) or drying equipment.

The infill must be absolutely dry before the subsequent installation of wooden flooring, etc.