A natural product that is light and easy to use, extremely durable, non-toxic, and environmentally benign; clinkaFILL is a clay ‘popcorn’ for use as: insulating and non-capillary fill; high performance lightweight aggregate in structural and insulating concrete; and as substrates and drainage layers in green roof construction.

clinkaFILL is used as bulk fill under concrete slabs (generally as a layer 150mm thick) to create a completely insulated building envelope (especially useful to maximise efficiency when in-slab hydronic heating is specified - but also to satisfy BCA energy efficiency requirements). It gives additional insulation of R1.77 to the underside of the slab.

For 150mm thick placement as underslab blinding clinkaFILL requires only minor compacting - and due to its high void structure and coating - it will act as a vapour barrier, removing the need for polythene sheeting under slabs (subject to building surveyor approval).

clinkaFILL is an excellent backfilling material against retaining walls where its high void content is free draining (to reduce hydraulic loadings); lightweight (to reduce horizontal stresses); non-compressible once placed; and is also highly durable insulation.

clinkaFILL is light enough to be easily placed manually - if machines cannot access the fill location or if the use of a machine would be cost-prohibitive for short periods.

Contact us for more information about this highly useful product that has been revolutionizing construction methods in northern Europe and Scandinavia for the last 50 years. Further technical detail and support is available for clinkaFILL as lightweight aggregate, green roof substrates and in hydro/aquaponics.

technical information:
干密度: 215kg per m³
~235kg per m³ after compaction*
保温性能: R 1.75 (150mm cover)
导热系数: 0.08 Wm/k
交货: 50, 80 or 1000 litre bag sizes

*maximum compaction 50 kN/m²

clinkaFILL is manufactured according to ISO 9001 quality management systems, and ISO 14001 environmental management systems

clinkaFILL can be supplied coated with a very mild, non-toxic, brown soap (made from soft oils such as soybean oil) to enhance its moisture resistance and anti-capillary properties

clinkaFILL is very easily recycled for high end use i.e for either: reuse as structural insulation; retaining wall backfill; used as lightweight aggregate in concrete or reformed as clinkaBLOK’s; or as sought after and stable roadbase in high moisture locations.

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