Insulated foundation system

Drawing on over 50 years experience of providing homeowners in Ireland with innovative EPS insulation solutions, both Aerobord and Springvale are, once again providing industry leading energy conservation systems.

Scandinavian insulated raft foundations have now arrived in Ireland. Whether you are building to current building regulations or want to achieve low energy or passive house standard, we have an insulated foundation design for your building project. Using only

air as the insulating gas our designs can deliver U Values as low as 0.1W/m²K. Insulated Raft foundations are suitable for use with Timber or Steel Frame, Insulated Concrete Form or Block construction methods.

Building, literally on three unique properties of EPS; high compressive strength combined with extremely low water absorption and excellent insulating values, the load bearing

walls and floor slab of your building sit on top of the insulating layer practically eliminating heat loss to the ground.

Aerobord has teamed up with Supergrund of Aerobord has teamed up with Supergrund of Sweden to offer innovative, proven designs manufactured in Ireland. Insulated raft foundations are generally installed by an experienced contractor but self installation is also possible, please mention your preference when discussing your project with our team.

Eliminates thermal bridge to ground

U Values to 0.1 W/m²K

Scandinavian Design

:Manufactured in Ireland

Ideal for under floor heating systems.

Proven performance RCEMEN

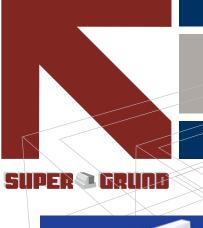
Compatible with Radon protection system

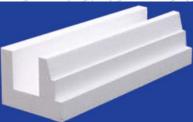




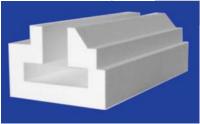








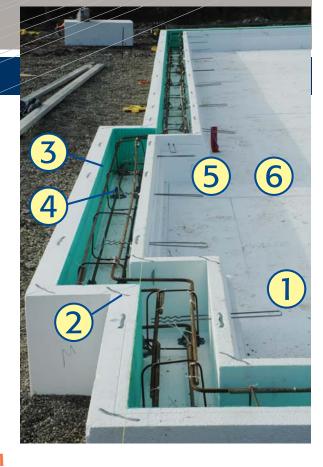
Lightweight Structures (F Profile)



Heavy Weight Structure (T Profile)

The Supergrund system includes the following accessories:

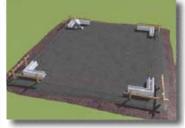
- 1 Ring Beam to Slab ties
- 2 Ring Beam Joiners
- 3 Release membrane
- 4 Steel supports
- 5 Insulation fixing nails
- 6 3 or 4 Layers of 100mm EPS Floor Insulation Panels



8 EASY STEPS TO INSTALL THE FOUNDATION SYSTEM



1 Strip site and lay compacted hardcore compacted in 50mm layers (18 -35 mm hardcore). Incorporate Radon sump and pipework



2 Place gas membrane/dpm. Turn perimeter down and allow 1m overlap. Lay 3-8mm stone blinding up to 50mm deep. Set out corners.



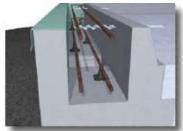
3 Continue placement of ring beam profiles. Trim profiles as necessary to achieve a tight fit. Join profiles with galvanised steel combs.



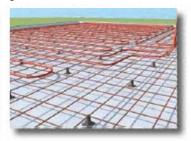
4 Place first 2 layers of floor insulation sheets over the remaining foundation. Overlap sheets to achieve continuity of insulation.



5 Install the final layer of insulation. Secure with EPS nails.



6 Install 5mm U-Sine ties through the ring beam profiles and place steel reinforcing according to supplied design.



7 Install reinforcing steel mesh according to design. Underfloor heating system can be installed at this stage.



8 Insulated foundation system is now complete and ready to take 100mm concrete.

If you are interested in obtaining a quotation for your building project please contact us at **supergrund@aerobord.ie** or at the telephone numbers below:

