



the technology of the future
built on successes of the past.

polarwall
insulating concrete formwork

+44 (0) 1392 841777

Construction off piled ground beam. The project included a mixture of curved and standard wall construction, necessitating different build methods of the Polarwall structure. The finish is a mix of render and vertical timber cladding. U-value of 0.27w/m²K

Full of linear and curved geometries, this structure highlights the flexibility of Polarwall construction. The challenge set to the main contractor was to find a building method capable of delivering the unusual shapes and to achieve a robustness of structure necessary in a youth centre.



It is practical to build the Polarwall formwork in a curved form by constructing the rails vertically. This allowed the contractor to follow the different radial dimensions set by the architect.



The Contracts Manager explained, "we were faced with a project that needed to be robust but also flexible to achieve the design. Lightweight frame construction was our initial thought but we were concerned about it not being able to stand up to the rigours of every day life of being a youth centre. Noise was also an issue" "Constructing such a building in block would have been difficult, too slow and expensive."



Key facts
Core size Above ground 155mm
Insulation Standard - 0.27W/m²K

polarwall
insulating concrete formwork

