



ReadyTherm[®] Insulation Flooring System

The fast and cost effective way to
achieve those all essential U Values

CEMEX floors provide a complete design service with all the necessary calculations and drawings to submit for building control.

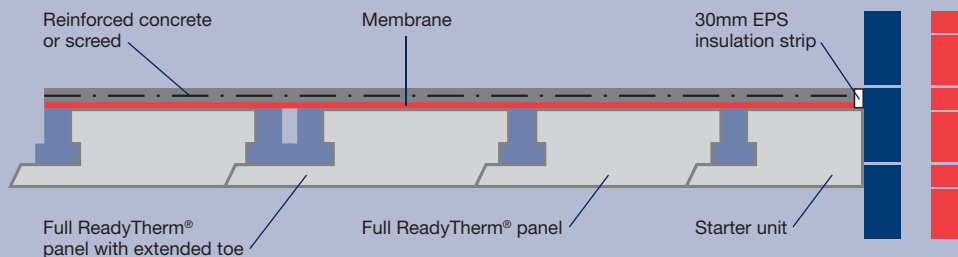
ReadyTherm® flooring system combines the ReadyFloor® T beam and high-strength EPS panels. These panels are manufactured by an industry leader and independently certified. ReadyTherm® provides both the total floor insulation and a formwork on which to lay the structural screed.

ReadyTherm® Platinum. For increased insulation.

U Values as low as 0.1 can be achieved if required with increased thickness



The ReadyTherm® Platinum EPS panel incorporates a graphite component called Neopor® to provide significantly improved thermal insulation performance, for example, to achieve higher levels of the Code for Sustainable Homes or just to improve SAP ratings.



The insulation used to produce ReadyTherm® insulation panels has a thermal resistance up to five times greater than lightweight thermal blocks, eliminating the need for additional insulation. The shape of the panels has been carefully developed to minimise thermal bridging at the T Beams; when installed, ReadyTherm® panels form an unbroken layer of insulation below the beams.

Sustainability

The environmental integrity of a ReadyTherm® Insulation panel is exceptional:

- Zero ODP (Ozone Depletion Potential)
- 5 GWP (Global Warming Potential)
- BRE green code rating A+ for suspended floors with an EPS Infill
- CFC, HFC and HCFC free
- Contains recycled content
- Boards are 100% recyclable

Indicative U-values of suspended concrete ground floor with ReadyTherm® insulation system

Perimeter: Area ratio P/A	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
ReadyTherm®	0.13	0.17	0.19	0.20	0.21	0.21	0.22	0.22	0.22	0.23
ReadyTherm® Platinum	0.12	0.15	0.16	0.17	0.18	0.18	0.19	0.19	0.19	0.19

Values as low as 0.1 can be achieved with increased thickness of ReadyTherm®

ReadyTherm®

- Lightweight easy to handle
- Quick to lay
- Easy to cut on site

Structural Screeds/ Toppings

For a typical specification with a designed UDL (Uniformly Distributed Load) of 5kNm² or point load of 4.5kN the contractor has the choice of the following structural floor screeds:

Domestic and residential

Min 60mm thick C25/30 concrete reinforced with A142 mesh

OR

Min 60mm thick C28/35 self levelling concrete reinforced with A142 mesh

Commercial

Min 60mm thick C25/30 screed with Fibrin 23 polypropylene fibres at a density of 0.91kg/m³