




Polysec Coldrooms Limited
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CONCRETE FLOORS IN COLDROOMS

GENERAL SPECIFICATION - JANUARY 2004

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Concrete floors in coldrooms – General Specification.

Floor Slab:

35N/mmsq @ 28 days; aggregate to BS882 (1993) O.P.C. (Ordinary Portland Cement)
 m.c.c (Minimum Cement Content) 360 Kg/m cub.
 (O.P.C. m.c.c increases to 395 Kg/m cub. when pumped)

Reinforcement – normally one layer A142 (75mm or 100mm slab) or A193 (over 100mm slab). All subject to loadings, other reinforcement or multiple layers may be required.

Ramp:

Usually clear opening width, plus 0.300m. Gradient starts 0.200m from external face of coldstore wall & falls 10 x height, i.e. threshold height 0.200m = ramp length 2.000m + 0.200m forward sill, total dimension from external face of coldstore wall = 2.200m. Leading edge of ramp is usually toed into existing slab.

Kerbs:

Normally 150mm high x 100mm wide including reinforcement / doveled to slab.

Heater Mat Screed (“traditional” type heater mat) :

Normally 50mm or 75mm thick. Either

1.	4:1 sand/cement screed or
2.	10mm pea gravel 28N/mm sq. @ 28 days

General:

All reinforcement to BS4483
 All tolerances set at ambient temperatures.
 Cool – down to be in accordance with Schedule.