




Polysec Coldrooms Limited
Blackpole Trading Estate West
Hindlip Lane
Worcester, WR3 8TJ. UK.

CONCRETE FLOORS IN COLDROOMS

GENERAL SPECIFICATION - JANUARY 2004

FAX No (01905) 754137

 (01905) 458551

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.