

5.0 FLOOR CONSTRUCTION

- 5.1 The concrete floor is to consist of 65mm.1:3 sand/cement screed.
100mm.concrete 1:2:4 mix on 500 g. polythene sheet seperating sheet layer on
75mm.Celotex TB4000 insulation with 19mm.thick perimeter upstand.
P/A=13.98/23.6=0.59 U-value 0.20W/sq.m.K
- 5.2 Visqueen 1200 SUPER sheet polythene membrane sealed to new and existing
damp proof courses,laid on 50mm.sand blinding on min.125mm.clean hardcore.
- 5.3 A143 galvanised mild steel mesh,1000mm.wide laid in bottom of slab,(min.50mm.
cover)over route of any new or existing drain.
- 5.4 Airbricks or combustion air inlets covered by new work to be ducted to the open air.

6.0 PITCHED ROOF

- 6.1 All work to roof structure in accordance with BS.Codes of Practice CP3 and CP112
- 6.2 Roof pitch minimum 45 degrees.
- 6.3 Roof slopes covered with matching plain tiles tiles on 38x19mm.softwood battens at
100mm.gauge
- 6.4 Untearable breather felt underlay to comply with BS EN 13707:2004
- 6.5 Roof structure constructed with 50x100mm.C16 grade rafters at 400mm.c/c
- 6.6 50x100mm.wallplate strapped to wall with 5x30x1000mm.galvanized mild steel
straps at 1800mm.centres.
- 6.7 The skeiling is to be insulated with one layer of 80mm.CELOTEX GA4000 fitted
tightly between the rafters.
One layer of 59.5mm.CELOTEX laminate GD5050 is to be fitted beneath rafters
with joints taped and perimeter edges sealed with mastic to provide VCL.
Skimcoat finish.
U-value 0.17W/sq.m K
- 6.8 112mm.white UPVC rainwater gutters.68mm.dia rainwater pipes.
UPVC soffits and fascias

7.0 NEW FLAT ROOF

- 7.1 Flat roof finish 12.5mm.thickness of stone chippings bedded with hot bitumen on
three layers of build-up felt roofing utilising 3G base partially bonded to the decking
to comply with BS 8217:1994 AND BS 747:1994
- 7.2 The roof insulation to be 126mm.CELOTEX TD4000 mechanically fixed over
joists and firrings.
Noggins to be under all unsupported ends and a double bead of non-setting gun-
grade mastic applied to firrings and across noggins wherever there is a butt joint.
U-value 0.18W/sq.m.K
- 7.3 12.5mm.plywood decking to be laid on firring to give a fall of not less than 1:60 on
50x200mm.C16.joists at 400mm.centres with 30.5mm.galvanised mild steel
restraining straps at 1200mm.cc.
- 7.4 12.5mm.Gyproc Duplex plasterboard ceiling with plaster skimcoat.
- 7.5 Half round ridge tiles to be placed at junction between flat and pitched roofs.
- 7.6 To seal the junction between the flat and pitched roof materials, the flat roof felt is
to be carried up and over a timber fillet/upstand fixed within the ridge tile.
A code 4 lead flashing is to be carried over the upstand and dressed down the
face of the plain tiles.
- 7.7 Two no. Code 4 lead dressed rainwater outlets are to be formed in the ridge tiles
on each side of the flat roof
- 8.0 WINDOWS
- 8.1 Windows and external doors to be white upvc,double glazed and provided with
8000 sq.mm.trickle vents.
U-value 1.60W/sq.m.K
- 8.2 Window area to be less than 22.5%of the floor area served
- 8.3 Toughened or laminated glass to be used in all critical locations to comply with
Building Requirement N1(between finished floor level and 800mm.above that level,
also between finished floor level and 1500mm.aove that level in a side panel within
300mm.of either edge of the door)