

PROFILE ALUMINIUM COPING TO TOP OF PARAPET

INSULATED UPSTAND WITH FLASHING

PROFILE GUTTER DETAIL ALONG PERIMETER

PROFILE ALUMINIUM COPING TO TOP OF PARAPET

FULLY ADHERED SINGLE-PLY MEMBRANE

2No. LAYERS OF 85mm KINGSPAN THERMAROOF TR27 LPC/FM

VAPOUR CONTROL LAYER

18mm MARINE OSB-3 PLYWOOD

TAPERED TIMBER FIRRING

TIMBER FLOOR JOISTS TO STRUCTURAL ENGINEERS DESIGN

100mm MAXISLAB ROCKWOOL OR KNAUF EARTHWOOL ACOUSTIC INSULATION

GENIE CLIP & RESILIENT BAR FITTINGS TO BE INSTALLED AS PER MANUFACTURERS INSTRUCTIONS

2No. 15mm SOUND BLOC PLASTERBOARD CEILING, SKIMMED & PAINTED.

FLEXIBLE SEAL BETWEEN CEILING AND WALL

60mm x 12.5mm CELOTEX PL3000 INSULATED PLASTERBOARD, SKIMMED & PAINTED. JOINTS BETWEEN THE BOARDS MUST BE TIGHTLY BUTTED, TAPED AND JOINTED USING APPROPRIATE TAPE AND JOINTING MATERIAL TO CREATE THE VAPOUR CONTROL LAYER (VCL)

25mm x 50mm TREATED TIMBER BATTENS ON STRIP OF DPC

EXISTING EXTERNAL BRICK WALL

VOID

VOID

INTERNAL

INTERNAL

The diagram illustrates a detailed cross-section of a roof assembly. At the top, there is a profile aluminium coping at the top of a parapet. Below this is a fully adhered single-ply membrane, followed by two no. layers of 85mm Kingspan ThermaRoof TR27 LPC/FM insulation. A vapour control layer is shown next, followed by an 18mm marine OSB-3 plywood deck. The structure then transitions to timber floor joists designed by structural engineers. Between the joists are 100mm Maxislab rockwool acoustic insulation and a Genie clip & resilient bar fitting installed as per manufacturer's instructions. Two no. 15mm sound bloc plasterboard ceiling is skimmed and painted. A void space is indicated between the ceiling and the floor joists. A flexible seal is located between the ceiling and wall. A head channel is fixed to the ceiling at 600mm centres, with a sole plate fixed to the floor with intermediate nogginns at 450mm centres vertically. Double up floor joist & bolted together under parallel partition walls are shown. 100mm metal channel studs are spaced at 400mm centres. 100mm Rockwool acoustic insulation is placed between bathrooms/WC's & habitable rooms with a minimum density of 10kg/m³. Finally, 12.5mm plasterboard is taped, jointed, skimmed and painted. Specific notes indicate fireline plasterboard for kitchen areas and moisture resistant plasterboard for bathroom areas.

- PROFILE ALUMINIUM COPING TO TOP OF PARAPET
- FULLY ADHERED SINGLE-PLY MEMBRANE
- 2No. LAYERS OF 85mm KINGSSPAN THERMAROOF TR27 LPC/FM
- VAPOUR CONTROL LAYER
- 18mm MARINE OSB-3 PLYWOOD
- TIMBER FLOOR JOISTS TO STRUCTURAL ENGINEERS DESIGN
- 100mm MAXISLAB, ROCKWOOL OR KNAUF EARTHWOOL ACOUSTIC INSULATION
- GENIE CLIP & RESILIENT BAR FITTINGS TO BE INSTALLED AS PER MANUFACTURERS INSTRUCTIONS
- 2No. 15mm SOUND BLOC PLASTERBOARD CEILING, SKIMMED & PAINTED.
- VOID
- VOID
- FLEXIBLE SEAL BETWEEN CEILING AND WALL
- HEAD CHANNEL FIXED TO CEILING AT 600mm CENTRES
SOLE PLATE FIXED TO FLOOR WITH INTERMEDIATE NOGGINNS AT 450mm CENTRES VERTICALLY
- DOUBLE UP FLOOR JOIST & BOLTED TOGETHER UNDER PARALLEL PARTITION WALLS
- 100mm METAL CHANNEL STUDS AT 400mm CENTRES
- 100mm ROCKWOOL ACOUSTIC INSULATION BETWEEN BATHROOMS/ WC'S & HABITABLE ROOMS WITH A MIN DENSITY OF 10kg/m³
- 12.5mm PLASTERBOARD, TAPED, JOINTED, SKIMMED AND PAINTED.
- USE FIRELINE PLASTERBOARD TO KITCHEN AREAS
- USE MOISTURE RESISTANT PLASTERBOARD TO BATHROOM AREAS

ERNAL

INTERNAL

The diagram illustrates a vertical section through a partition wall. At the top, a horizontal profile aluminium coping sits above a fully adhered single-ply membrane. Below this are two layers of 85mm Kingspan ThermaRoof TR27 LPC/FM insulation, followed by a vapour control layer and an 18mm marine OSB-3 plywood sheath. The wall's core consists of tapered timber framing enclosing void spaces between timber floor joists. These joists are supported by 100mm Maxislab rockwool or Knauf earthwool acoustic insulation. A genie clip and resilient bar fitting are shown connecting the ceiling plasterboard to the joist system. The ceiling itself is made of 2No. 15mm sound bloc plasterboard, skimmed and painted. On the interior side, a flexible seal is located between the ceiling and the wall. Intumescent fire stop blocks are positioned on either side of the steel beam where it meets the wall. The main body of the wall is constructed from 215mm dense concrete blocks laid flat, with structural engineer details and a 13mm scratch render finish. The exterior face of the wall is finished with 15mm sound bloc plasterboard on dabs, taped, jointed, skimmed, and painted. Specific instructions for the plasterboard are provided: use fireline plasterboard in kitchen areas and moisture-resistant plasterboard in bathroom areas.

INTERNAL

- PROFILE ALUMINIUM COPING TO TOP OF PARAPET
- FULLY ADHERED SINGLE-PLY MEMBRANE
- 2No. LAYERS OF 85mm KINGSPAN THERMAROOF TR27 LPC/FM
- VAPOUR CONTROL LAYER
- 18mm MARINE OSB-3 PLYWOOD
- TAPERED TIMBER FRAMING
- TIMBER FLOOR JOISTS TO STRUCTURAL ENGINEERS DESIGN
- 100mm MAXISLAB, ROCKWOOL OR KNAUF EARTHWOOL ACOUSTIC INSULATION
- GENIE CLIP & RESILIENT BAR FITTINGS TO BE INSTALLED AS PER MANUFACTURERS INSTRUCTIONS
- 2No. 15mm SOUND BLOC PLASTERBOARD CEILING, SKIMMED & PAINTED.
- FLEXIBLE SEAL BETWEEN CEILING AND WALL
- INTUMESCENT FIRE STOP BLOCKS EITHER SIDE OF STEEL BEAM
- STEEL BEAM TO STRUCTURAL ENGINEERS DESIGNS & CALCULATIONS
- 215mm (1850kg/m³) DENSE CONCRETE BLOCKS LAID FLAT TO STRUCTURAL ENGINEERS DETAILS WITH 13mm RENDER WITH SCRATCH FINISH
- 15mm (12.5KG/m²) SOUND BLOC PLASTERBOARD ON DABS, TAPED, JOINTED, SKIMMED AND PAINTED.
 - USE FIRELINE PLASTERBOARD TO KITCHEN AREAS
 - USE MOISTURE RESISTANT PLASTERBOARD TO BATHROOM AREAS

INTERNAL

EXISTING EXTERNAL BRICK WALL

60mm + 12.5mm CELOTEX PL3000 INSULATED PLASTERBOARD, SKIMMED & PAINTED. JOINTS BETWEEN THE BOARDS MUST BE TIGHTLY BUTTED, TAPED AND JOINTED USING APPROPRIATE TAPE AND JOINING MATERIAL TO CREATE THE VAPOUR CONTROL LAYER (VCL)

25mm x 50mm TREATED TIMBER BATTENS ON STRIP OF DPC

100mm MDF SKIRTING BOARD

FLEXIBLE SEAL BETWEEN SKIRTING AND FLOOR

FLOOR FINISH

28mm MAXIDECK ACOUSTIC FLOORING BOARD

22mm MOISTURE RESISTANT T&G CHIPBOARD

TIMBER FLOOR JOISTS TO STRUCTURAL ENGINEERS DESIGN

100mm MAXISLAB, ROCKWOOL OR KNAUF EARTHWOOL ACOUSTIC INSULATION

GENIE CLIP & RESILIENT BAR FITTINGS TO BE INSTALLED AS PER MANUFACTURERS INSTRUCTIONS

2No. 15mm SOUND BLOC PLASTERBOARD CEILING, SKIMMED & PAINTED - TO ALL APARTMENTS

FLEXIBLE SEAL BETWEEN CEILING AND WALL

INSTALL ACOUSTIC RESILIENT FLANKING STRIP AROUND THE PERIMETER OF WALLS TO PREVENT THE ACOUSTIC BOARD TOUCHING THE WALLS AND SKIRTING BOARD. TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

*TO COMMUNAL AREAS REPLACE USING 1no. GYPTONE ACOUSTIC CEILING PERFORATED PLASTER BOARD

INTERNAL

INTERNAL

INTERNAL

- INSTALL ACOUSTIC RESILIENT FLANKING STRIP AROUND THE PERIMETER OF WALLS TO PREVENT THE ACOUSTIC BOARD TOUCHING THE WALLS AND SKIRTING BOARD. TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 100mm METAL CHANNEL STUDS AT 400mm CENTRES
- 100mm ROCKWOOL ACOUSTIC INSULATION BETWEEN BATHROOMS/WC's & HABITABLE ROOMS WITH A MIN DENSITY OF 10kg/m³
- 12.5mm PLASTERBOARD, TAPED, JOINTED, SKIMMED AND PAINTED.
 - USE FIRELINE PLASTERBOARD TO KITCHEN AREAS
 - USE MOISTURE RESISTANT PLASTERBOARD TO BATHROOM AREAS
- 100mm MDF SKIRTING BOARD
- FLEXIBLE SEAL BETWEEN SKIRTING AND FLOOR
- FLOOR FINISH
- 28mm MAXIDECK ACOUSTIC FLOORING BOARD
- 22mm MOISTURE RESISTANT T&G CHIPBOARD
- TIMBER FLOOR JOISTS TO STRUCTURAL ENGINEERS DESIGN
- VOID
- 100mm MAXISLAB, ROCKWOOL OR KNAUF EARTHWOOL ACOUSTIC INSULATION
- GENIE CLIP & RESILIENT BAR FITTINGS TO BE INSTALLED AS PER MANUFACTURERS INSTRUCTIONS
- 2No. 15mm SOUND BLOC PLASTERBOARD CEILING, SKIMMED & PAINTED.
- FLEXIBLE SEAL BETWEEN CEILING AND WALL
- HEAD CHANNEL FIXED TO CEILING AT 600mm CENTRES
- SOLE PLATE FIXED TO FLOOR WITH INTERMEDIATE NOGGINS AT 450mm CENTRES VERTICALLY
- DOUBLE UP FLOOR JOIST & BOLTED TOGETHER UNDER PARALLEL PARTITION WALLS

INTERNAL

215mm (1850kg/m³) DENSE CONCRETE BLOCKS LAID FLAT TO STRUCTURAL ENGINEERS DETAILS WITH 13mm RENDER WITH SCRATCH FINISH

15mm (12.5KG/m²) SOUNDBLOC PLASTERBOARD ON DABS, TAPED, JOINTED, SKIMMED AND PAINTED.
 - USE FIRELINE PLASTERBOARD TO KITCHEN AREAS
 - USE MOISTURE RESISTANT PLASTERBOARD TO BATHROOM AREAS

100mm MDF SKIRTING BOARD

FLEXIBLE SEAL BETWEEN SKIRTING AND FLOOR

FLOOR FINISH

28mm MAXIDECK ACOUSTIC FLOORING BOARD

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INTUMESCENT FIRE STOP BLOCKS EITHER SIDE OF STEEL BEAM

STEEL BEAM TO STRUCTURAL ENGINEERS DESIGNS & CALCULATIONS

INSTALL ACOUSTIC RESILIENT FLANKING STRIP AROUND THE PERIMETER OF WALLS TO PREVENT THE ACOUSTIC BOARD TOUCHING THE WALLS AND SKIRTING BOARD. TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

VOID

VOID

INTERNAL

INTERNAL

[illegible]