

Promat SUPALUX® Ceilings, Floors and Roofs

Timber Floors, Exposed Grid, 60 minutes

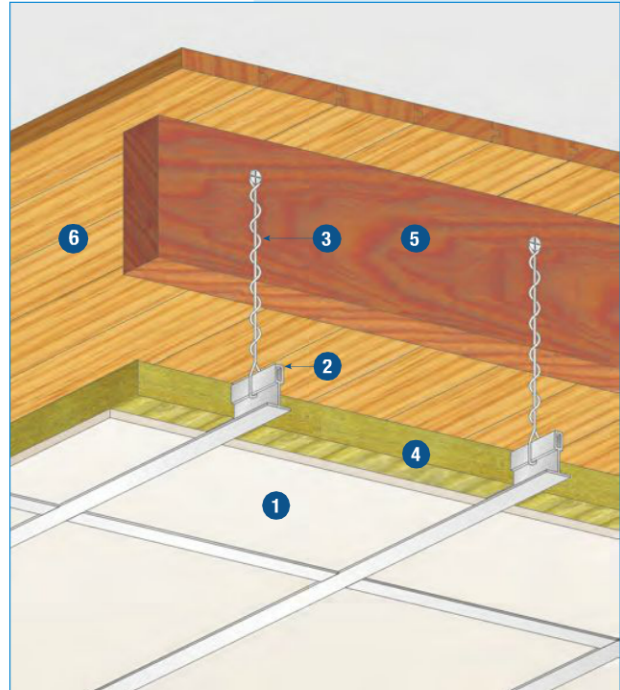
Certifire Approval No CF 420

TIMBER FLOORS, EXPOSED GRID SYSTEM

TECHNICAL DATA

60 minutes fire rating, loadbearing capacity, integrity and insulation in accordance with the criteria of BS 476: Part 21: 1987.

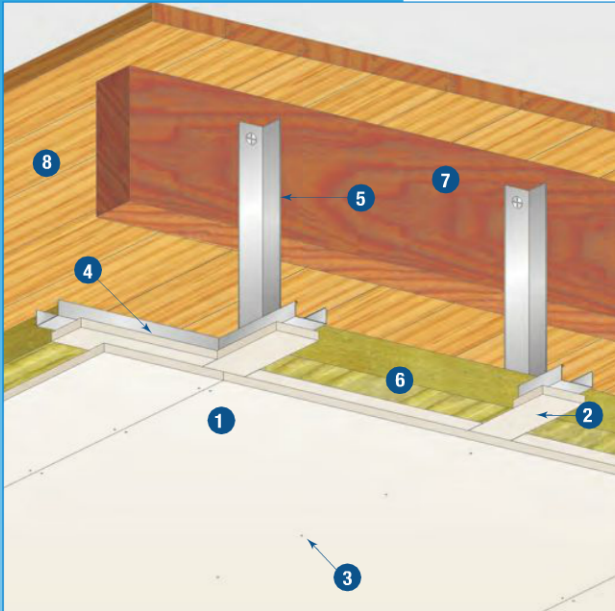
1. Promat SUPALUX® ceiling panels, 6mm thick by 1200mm x 600mm or 600mm x 600mm nominal, located at least 200mm from underside of joists.
2. Fire rated exposed grid tee system (minimum table width 24mm), main tees at maximum 610mm centres. Panels are fixed using steel hold down clips - 3 along each 1200mm edge and one at the centre of a 600mm edge. Perimeter steel angles with minimum 32mm wide horizontal leg and 19mm wide vertical leg and between 0.5 and 0.8mm thick, fastened at nominal 400mm centres to the concrete or masonry surrounding structure with minimum M4 x 32mm fixings.
3. Galvanised wire hangers, minimum 2mm diameter at maximum 1220mm centres. Secure hangers to sides of joists using 38mm nails or screws located at least 75mm above joist base.
4. Rock wool, minimum 30mm x 60 kg/m³ fitted between tees.
5. Timber joists, minimum 150mm x 38mm at maximum 610mm centres.
6. T & G or square-edged flooring, minimum 19mm. Secure 4.8mm hardboard over square-edged floorboards.



The construction, maximum span and maximum loading on all timber floors should be in accordance with BS 5268: Part 2.

Promat SUPALUX® Ceilings, Floors and Roofs

Timber Floors, Concealed Grid, 60 minutes



The construction, maximum span and maximum loading on all timber floors should be in accordance with BS 5268: Part 2.

TIMBER FLOORS, CONCEALED GRID SYSTEM

TECHNICAL DATA

60 minutes fire rating, loadbearing capacity, integrity and insulation in accordance with the criteria of BS 476: Part 21: 1987.

1. Promat SUPALUX® 12mm panels (square or bevelled edge) to be located at least 200mm below underside of timber joists.
2. Promat SUPALUX® fillet, 75mm wide x 12mm thick.
3. Fillets fixed to underside of primary and cross channels and perimeter angle with M4 x 25mm long steel self-tapping screws at any convenient centres. Promat SUPALUX® boards fixed through fillets to channels and perimeter angles with M4 x 32mm long steel self-tapping screws at nominal 300mm centres.
4. Fire rated concealed channel system. Ceiling channel section minimum 60mm wide x 27mm deep x 0.5mm steel thickness. Primary channels are lipped channels. Primary channels positioned at maximum 610mm centres. Cross channels positioned between primary channels at board joints and connected to primary channels using interlocking steel connectors. Perimeter steel angles minimum 50mm x 50mm x 0.7mm thick fastened at nominal 400mm centres to the concrete or masonry surrounding structure with minimum M4 x 32mm long steel screws into non-combustible plugs or equivalent.
5. Rigid hangers at maximum 1220mm centres secured to sides of joists using 38mm nails or screws located at least 75mm above joist base.
6. Rock wool, minimum 50mm x 45 kg/m³ laid over panels and grid members.
7. Timber joists, minimum 150mm x 38mm at maximum 610mm centres.
8. T & G or square-edged flooring, minimum 19mm. Secure 4.8mm hardboard over square-edged floorboards.

NOTE:

Maximum panel size for square edge: 2440mm x 1220mm

Maximum panel size for bevel edge: 1220mm x 1220mm