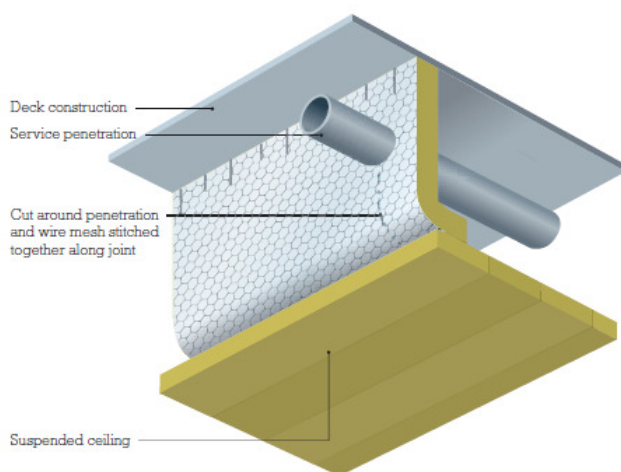
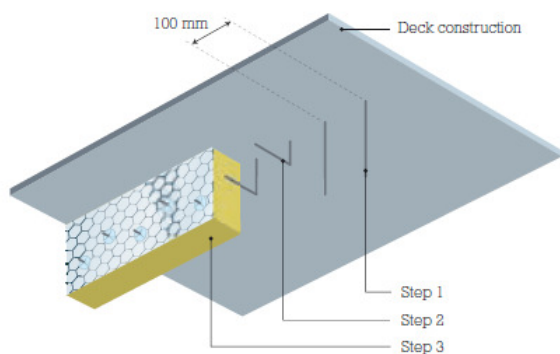
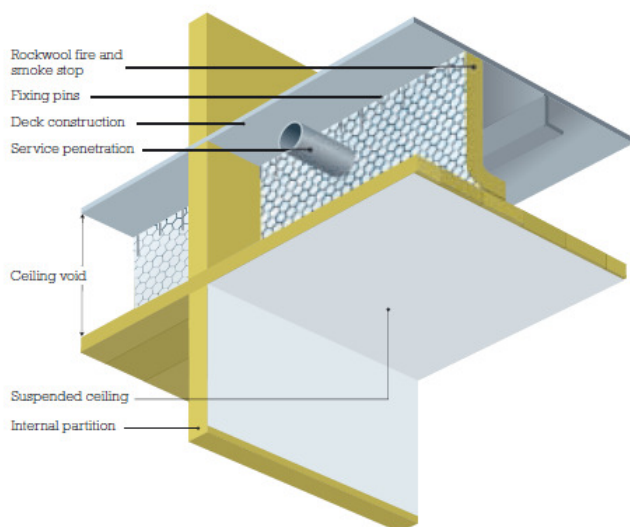


Draught Stoppers



Draught stoppers are used above ceilings to avoid the spread of smoke and flames in case of fire. Normally the classification companies request a B-0 fire insulation above the ceiling. This can be made from Rockwool Marine Wired Mat or Rockwool Marine Batts after request from the local surveyor or the customer.

Construction

- Rockwool Marine Wired Mat 105, min. 50 mm, with reinforced aluminium foil
or
Rockwool Marine Firebatts 100, min. 60 mm, with reinforced aluminium foil.
- Marine Firebatts 100 must be covered with wire mesh. Insulation fixed with $\varnothing 3$ mm pins and secured with $\varnothing 38$ mm washers.

Installation

Step 1:

First the pins are welded vertically to the underside of the deck in alignment with the required position of the Draught Stopper.

Step 2:

The pins are then bent 90° in a staggered pattern as shown.

Step 3:

The Rockwool and wire mesh are then pushed over the pins so that they protrude by a minimum of 25 mm. The insulation is secured by spring steel washers.

Penetrations

- Penetrations through the Draught Stopper are simply made by cutting out the shape of the penetrating items in the Rockwool, for example, pipes, HVAC ducts and cable racks.
- The cut edge of the Wired Mat must fit tightly to the edge of the penetrating item and the slit in the Rockwool must be stitched/taped back together using steel wire/alu tape.
- This solution can be used for any type of penetration including multiple penetrations.

SOLAS, Part C, Chapter II-2, Regulation 8, sec 4 :



“Air spaces enclosed behind ceilings, panelling or linings shall be divided by close-fitting Draught Stops spaced not more than 14 m apart. In the vertical direction, such enclosed air spaces, including those behind linings of stairways, trunks, etc., shall be closed at each deck.”

The interpretation of the rules given by IMO in MSC/circ. 847 reg 35.