

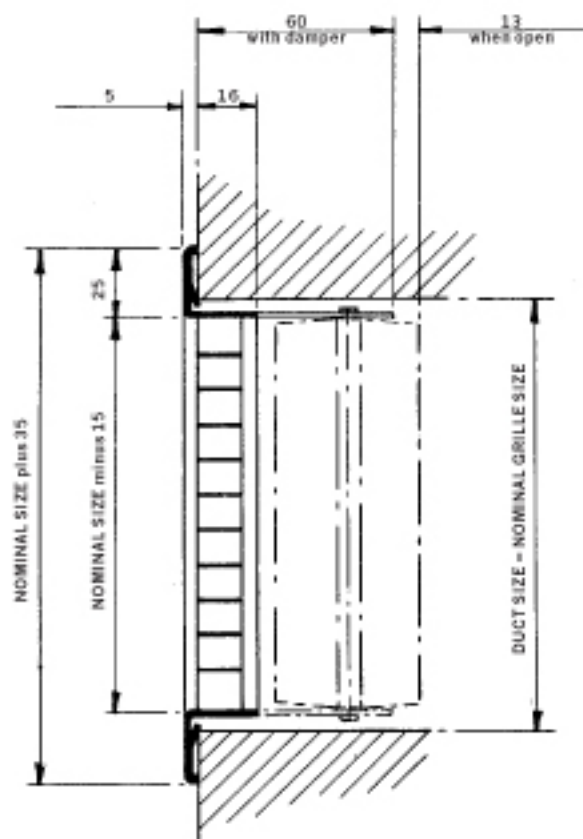
air diffusion
FNW
Engineering Developments Ltd

Return Air Grilles Type REC & Eggcrate Panels

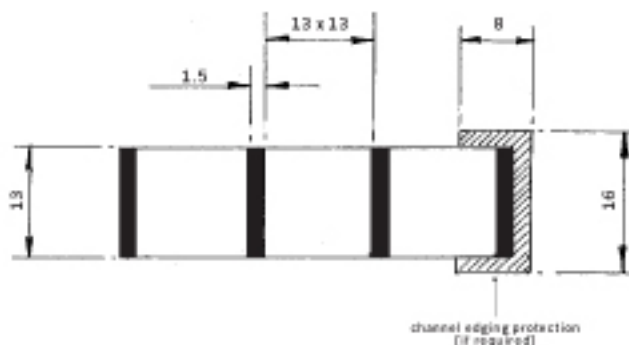
New Street Skelmanthorpe Huddersfield HD8 9BL Telephone 01484 861233 Fax 01484 864928

All products are manufactured in the UK at the above address

Grille Type REC [with damper REC/EF]



Eggcrate Panel



EGGCRATE ventilation ceiling panels are manufactured to suit standard lay-in 'T' bar ceiling grids

Standard size panels 595 x 595 or 1195 x 595 [although panels can be cut and supplied in any size including circular].

Cell size 13 x 13mm with a panel thickness of 13mm [free area 85%]
 Injection moulded in high impact styrene

Colours White Grey Cream Black

Plastic extruded channel cappings can be added to panel edges to give extra strength and protection.

TYPE REC Air Return Grille consists of high impact styrene 'Eggcrate' core fitted into a zinc coated steel frame, with a self-coloured plastic extruded flange facing fitted over the steel flange forming a fixed part of the casting, the front of the grille being completely self coloured plastic.

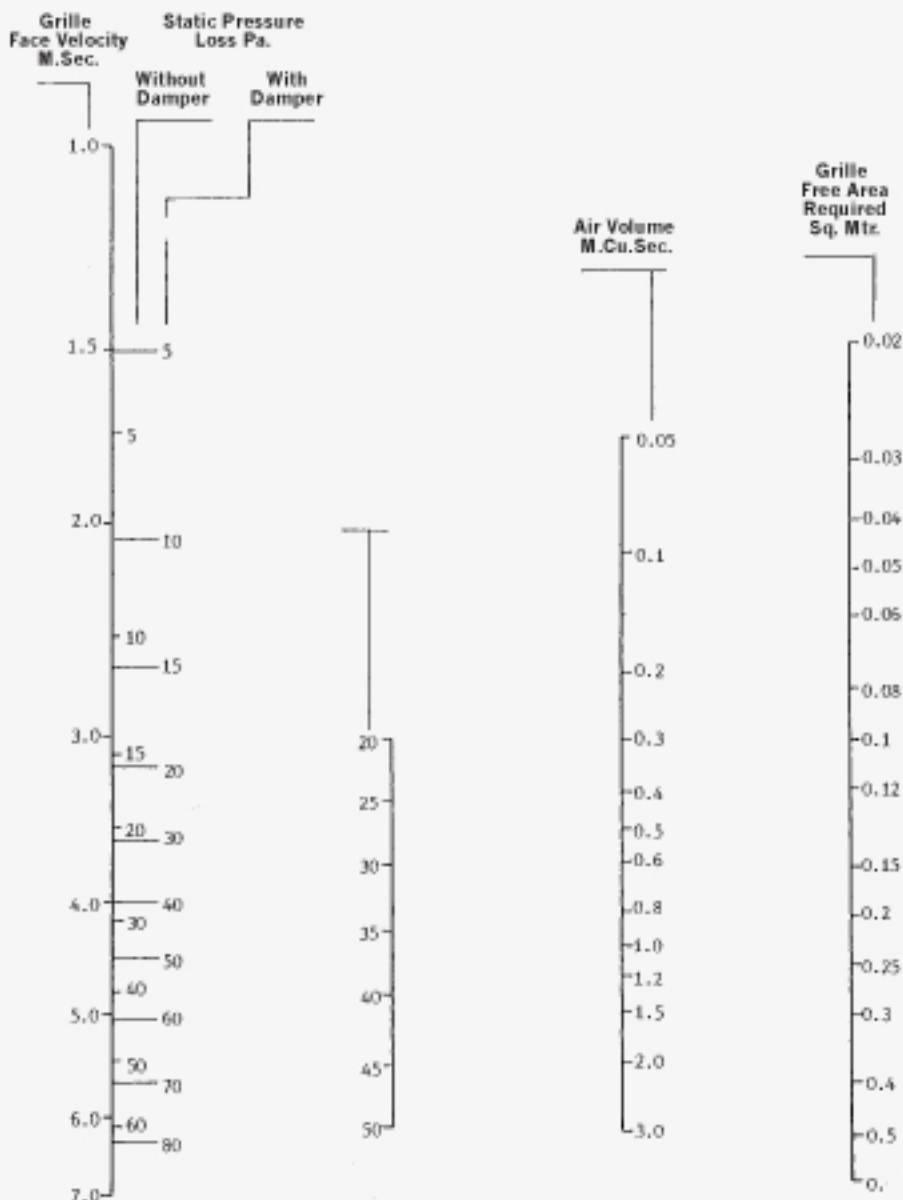
Produced in standard sizes of 50mm size increments from 100 x 100 up to 1200 x 600 but both 'Eggcrate' panels and the type REC can be manufactured in larger sizes.

Standard Colours white grey cream black.

Volume control dampers may be fitted behind the grille, should this be required 'EF' should be added to the grille designation, Type 'REC' would become type 'REC/EF' when fitted with a damper.

Although possessing excellent non-corrosive properties in their standard form, this can be enhanced further by giving the zinc coated steel frame a polyester powder coated finish prior to assembly, and the damper unit if fitted similarly treated with moving parts manufactured in stainless steel.

PERFORMANCE DATA



Assuming the Air Volume and Face Velocity required are the known factors for the grille in question then from the above nomogram, place a rule intersecting these values and the 'Free Area' of the grille required to fulfill those conditions can be read off.

Having determined the 'Free Area' this can be converted into the grille Length x Height dimensions by referring to the sizing nomogram overleaf.

SIZE SELECTION

Grille Types REC & REC/EF & Eggcrate Panels

AVERAGE FREE AREA 85%

Having determined the Free Area of the grille to fulfill the conditions of volume and velocity from the Return Air Grille selection nomogram, this can be converted into its respective length and height dimensions by referring to the nomogram opposite.

Place a rule on the same free area value, and by pivoting the rule about this point grille length and height dimensions can be read off.

