

Sound Reducing Ventilation Grilles Type KID

Our sound reducing ventilation grilles have been developed to be mounted in partition walls and doors in order to prevent transposition of speech or other sounds from one room to the other. By means of a highly specialized production process we are able to produce high quality grilles, made to measure and to be delivered in a short time.

Type KID/D

Ventilation grilles, made of extruded aluminium profiles. Consisting of two parts, each one having a 35 mm wide edge. Both halves of the grilles have been covered with micro-acoustic material on the inside (U-shaped profiles) in order to get the best sound reduction. The inside of the edge has been covered with acoustic foam.

Standard colour is RAL 9010 or anodised (natural aluminium). Other RAL-colours can be obtained as well at a small extra price.

The grilles have to be mounted into a door or wall by means of screws in the 35 mm edge.

Type KID/E

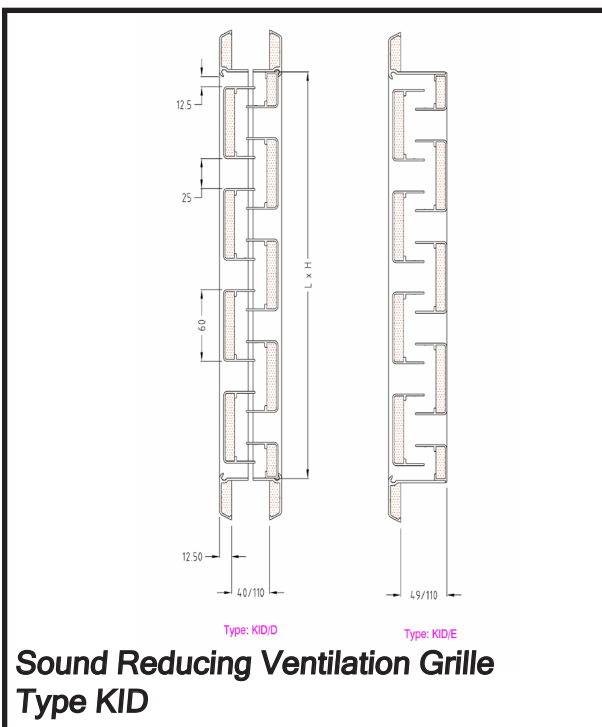
Same as type KID/D, for application in partition walls, thicker than 110 mm.

Dimensions

The grilles can be produced in any length with a maximum of 1500 mm.



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Due to the system the height has to be a multiple of 85 mm, so the range of possible heights is 85 mm - 170 mm - 255 mm - 340 mm - 425 mm etcetera. The maximum height is 935 mm.

Required Opening

The opening in the wall or door needs to be at least 10 mm larger than the inner grill measures (L x H; see figure on the left) of the sound reducing grill of your choice.

Air Passage

The surface, available for airflow, is about 29% of the surface of the total grill.

Airspeed

The maximum sound absorption, at a minimal air-resistance (20 Pa), will be achieved at an airspeed of no more than 1,9 m/s calculated on the open passage of the grill.

