

Intumescent Fire Grilles

Sound Reducing Type HRDB

Our intumescent sound reducing ventilation grilles have been developed to be mounted in partition walls and doors to prevent spreading of fire from one room to another.

The fire resistance has been tested and approved in accordance with the general principles of NEN 6069. This means that the grilles are fire resistant during 60 minutes and accordingly may be mounted in fire resistant doors and partition walls.

Type HRDB

Our intumescent sound reducing ventilation grilles consist of two parts. Both parts have been covered with a combination of micro-acoustic material and a fire resistant material on the inside.

Under normal circumstances the grill is open and allows air to flow through. In case of fire the fire resistant material on the inside will close off the grill from the inside.

Standard colour is RAL 9010. Other RAL-colours can be obtained as well at a small extra price.

Dimensions

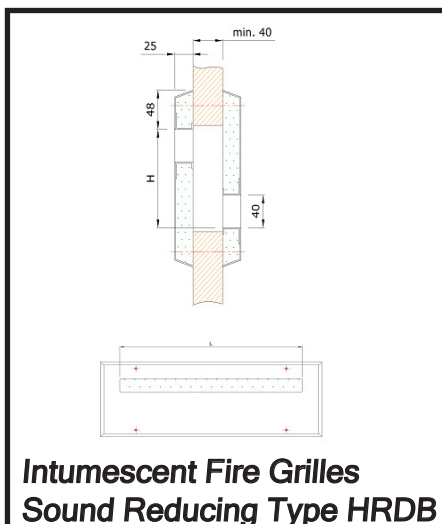
Our fire resistant grilles can be made in any length and height.

Fire Resistance

Our intumescent sound reducing ventilation grilles have been made fire resistant by using special materials in combination with its construction. A copy of the official testing report can be supplied on demand.

Sound Absorbance

By application of acoustic materials the grilles also



have been made sound reducing.

A test report on the sound absorbing effects is also available.

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.

Airspeed

The maximum sound absorption, at a minimal air-resistance (20 Pa), will be achieved at an airspeed of no more than 2,8 m/s calculated on the open passage of the grill.

