

Round fire-resistant ventilation grids Ei 60'

Description

Fire-resistant ventilation Ei 60', thickness 40mm, grids are developed to allow free movement of air at room temperature through construction, while providing effective protection from flames, fumes and gas in the event of a fire. When the grates are exposed to fire, they swell under the influence of heat and prevent flames, fumes and gas from moving from one place to another.



Characteristics

Intumescent grids react at low temperatures (from 100dgC°). The grids break quickly (usually within 3 minutes depending on heat exposure). They consist of thermoplastic sheaths filled with intumescent bands. The gates allow ventilation through fire-resistant doors, walls and partitions.



- Easy to install.
- For indoor application only

The grids are simply sealed with plaster or silicone in the walls if the available reserve is less than 5mm.

Our Ei fire-resistant ventilation grids are tested according to European standards EN1366-3:2009, EN1364-1:2015 in FprEN1364-5:2017



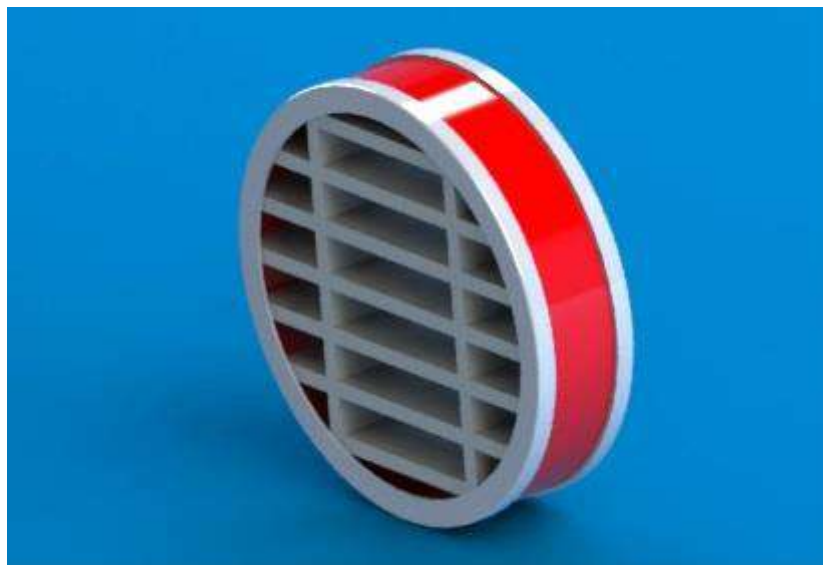
Classification fire-resistante grids Ei

Fire test : WarringtonFireGent nr. 15248 & 18489

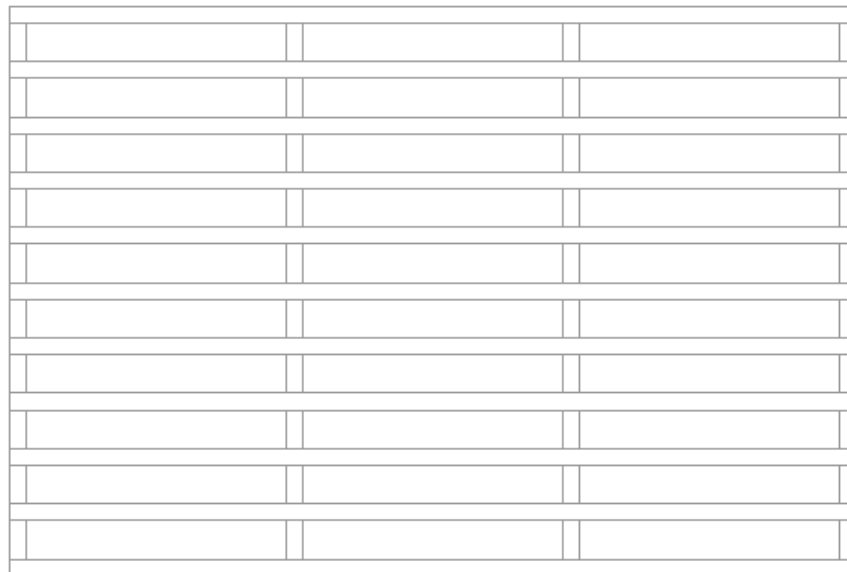
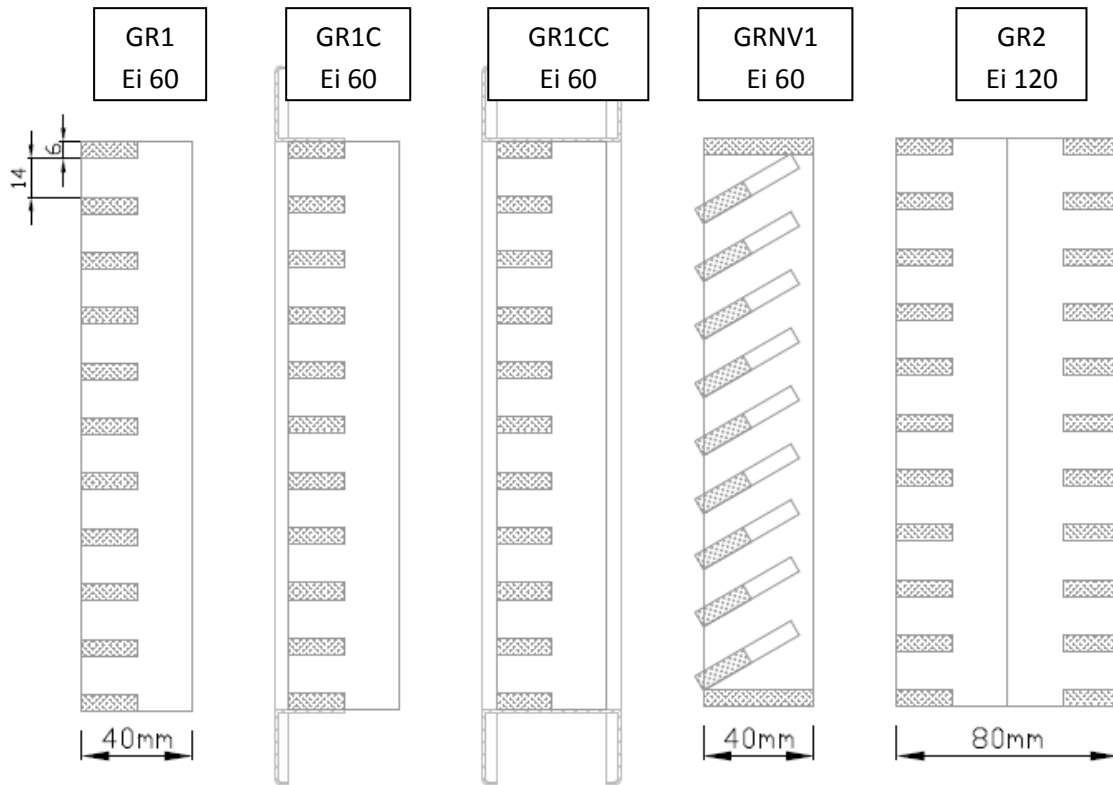
| Dimensions | EI | E | $\Delta T_{m=140\text{ }^{\circ}\text{C}}$ | $T_{M=180\text{ }^{\circ}\text{C}}$ |
|-----------------------------|------|------|--|-------------------------------------|
| 400 x 200 x 40 | 60' | 132' | 74' | 75' |
| 700 x 400 x 40 | 60' | 132' | 62' | 61' |
| Ø 160 x 40 | 60' | 132' | 76' | 74' |
| No vision 400 x 200 x 40 | 60' | 132' | 85' | 77' |
| 700 x 400 x 80 | 120' | 120' | | 120' |
| Ø 315 x 40 | 60' | 120' | | 81' |

E : Ability to prevent flames

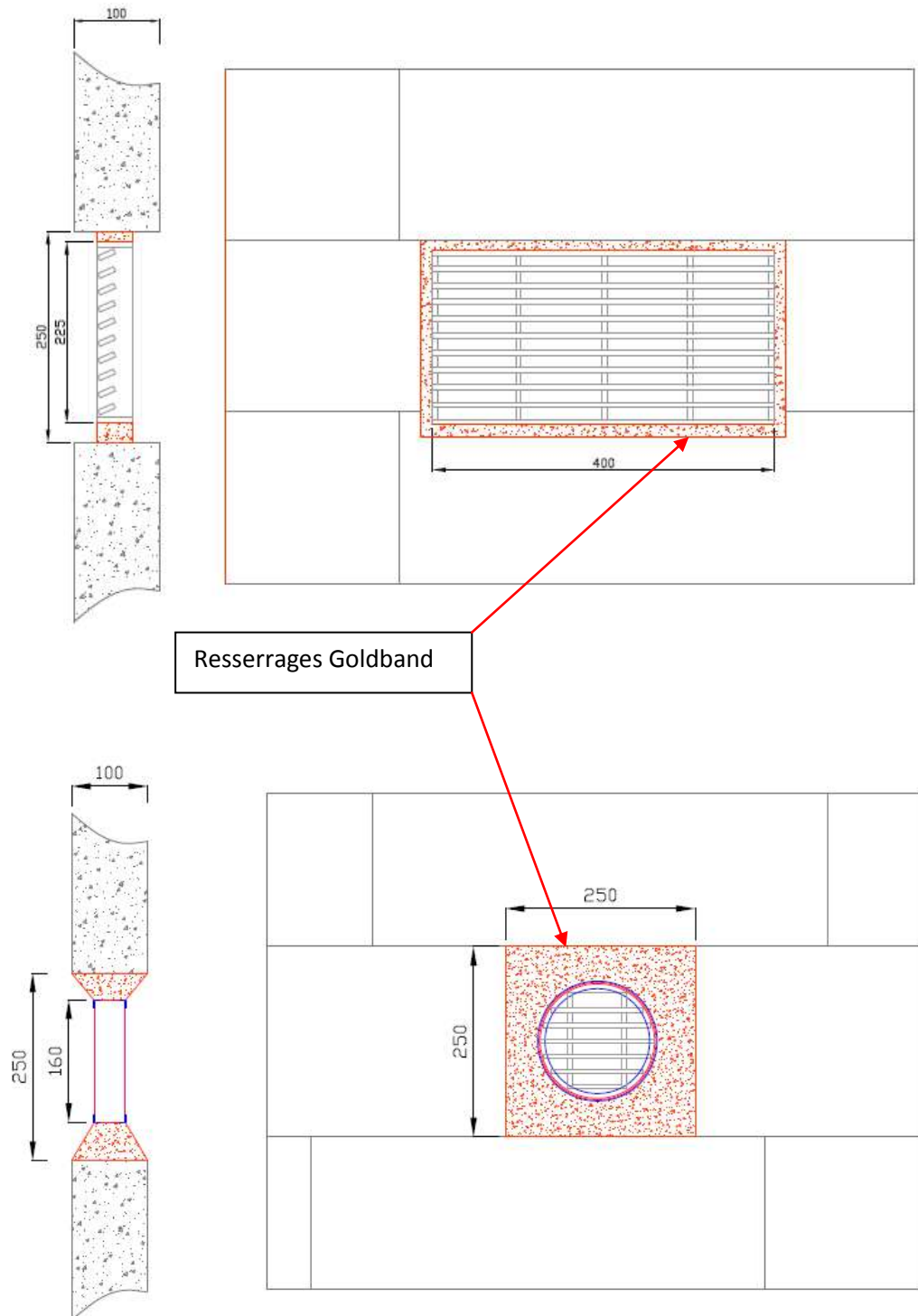
I : Isolation : ability to deduce heat transfer



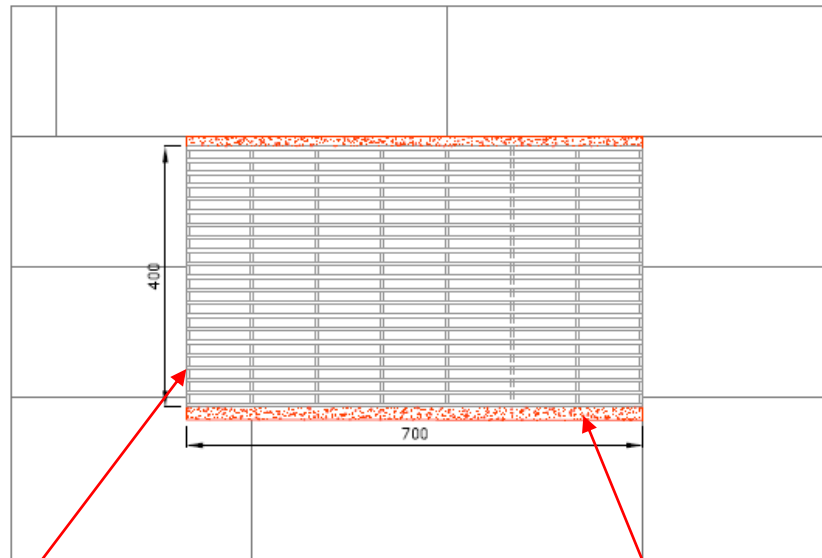
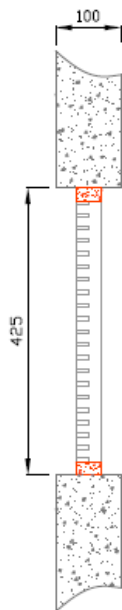
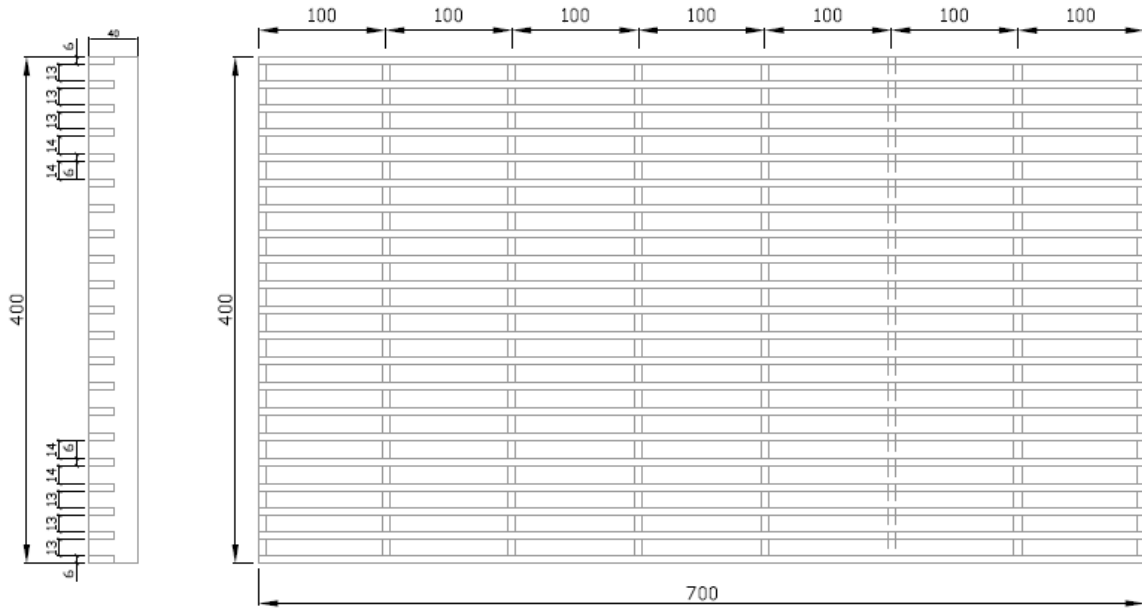
Fire-resistant ventilation grids Ei: cut/face



Placement Ei fire-resistant grids in a wall of 100



Placement Ei fire-resistant grids in a wall of 100



Resserrages Silicone

Resserrages Goldband