



### DESCRIPTION

The **Tecsel® Grilles** consist of palusol lamellas coated in PVC. Palusol is a material consisting of hydrated sodium silicate, a small amount of organic material and reinforced by glass fiber. The whole structure is reinforced with glass fibre. Both sides of the grille have been coated with epoxide resin protecting against weather conditions (water, steam, CO<sub>2</sub>).

If the temperature exceeds 100°C, the **Tecsel® Grille** expands and forms a layer of incombustible foam, resistant to crushing, which is an insulation layer that prevents expansion of temperature, fire and smoke.

In normal conditions, the **Tecsel® Grille** lets in the air supplied by ventilation systems.

### TESTS

The **Tecsel® Grilles** have been tested in compliance with the European Standards **UNE EN 1363-1**, **UNE 1366-3** and **UNE EN 1634-1**.

The long-term performance has been proved in normal climate conditions. Test conducted by Intitut fur Holzforschung confirms that after 25 years of exposure to weather conditions, during fire the grilles operate normally for the conditions of use.

*\*Tests made without aesthetic finishing*

### APPLICATION

Fix the **Tecsel® Grilles** mechanically with bolts, pins or other suitable elements (they should be of the same fire resistance as the elements to which they are installed).

It is recommended to leave 2-3 mm gaps around the **Tecsel® Grilles** and fill them with **Tecsel® Intumescent Mastic**.

If the ventilation opening is larger, it is possible to install several grilles, provided the fire resistance is maintained and proper distance between the **Tecsel® Grilles**.

The **Tecsel® Grilles** may be installed:

- On walls.
- On doors.
- On floors.
- On ventilation systems.
- On partitions.
- On wire bundle casings

## SEALING SYSTEMS

EI 120 - EI 180

### MODELS

MODEL	DIMENSIONS
Tecsel® Grille V40	250 x 250 x 40 mm
Tecsel® Grille V50	250 x 250 x 50 mm
Tecsel® Grille V60	250 x 250 x 60 mm
Tecsel® Grille V60	400 x 400 x 60 mm
Tecsel® Grille V50	400 x 400 x 50 mm
Tecsel® Grille V40	400x 400 x 40 mm
Tecsel® Grille V40 + alu	600 x 600 x 60 mm
Tecsel® Grille V40	400 x 200 x 40 mm
Tecsel® Grille V60	600 x 600 x 60 mm
Tecsel® Grille V40	600 x 600 x 40 mm

*\*Other dimensions upon individual order.*

### STORAGE

Store in a cool, dry place.

The **Tecsel® Grilles** remain stable in low temperatures; they become fragile but regain their strength as the temperature grows.

### HEALTH AND SAFETY

The following considerations must be taken into account when handling **Tecsel® Grilles**:

- Respect the regular work measures

Consult the safety datasheet for further information.