



DESCRIPTION

The **Tecsel® Circular Grilles** have been developed to allow the free air circulation through the buildings or fire protected ductwork, offering at the same time, flame, fire and gaz protection in case of a fire.

The **Tecsel® Circular Grilles** allow the air at room temperature to flow through the walls, partitions or EI doors.

When subjected to fire, the intumescent material swells, blocking the holes and forming a real physical and thermal against flames, smoke and gaz.

FEATURES

The **Tecsel® Circular Grilles** features:

- Reaction rate: at 100 °C the grilles start blocking.
- Intumescent quality: both the frame and sheets are made of thermoplastic profiles which have the high quality intumescent sodium silicate joint.

APPLICATIONS

The Tecsel® Circular Grilles allow a ventilation through :

- EI Doors (both metallic and carpenter).
- EI walls and regular walls.
- EI partitions.
- EI floors.
- EI ductwork.

STORAGE

Store in a dry ventilated place.

SAFETY MEASURES

Keep regular work measures.

SEALING SYSTEMS

EI 30 - EI 60 - EI 120

TYPES

There are different sizes and shapes of **Tecsel® Circular Grilles** to be adapted to any type of use.

Diameter (mm)	Thickness (mm)	EI Fire Rating
100	40	EI 120
100	60	EI 120
150	40	EI 60
150	50	EI 60
150	60	EI 90
150	40*	EI 120
150	50*	EI 120
150	60*	EI 120
300	40	EI 60
300	50	EI 30
300	60	EI 60
300	40*	EI 120
300	50*	EI 120
300	60*	EI 120
400	40	EI 60
400	50	EI 60
400	60	EI 120
400	40*	EI 120
400	60*	EI 120

*With aluminium cover.

PLACEMENT ON SITE

The **Tecsel® Circular Grilles** shall not be used in a place directly exposed with water.

The **Tecsel® Grilles** (rectangular) must be mechanically fixed to the support with appropriate fire resistant screws (check with us).

The **Tecsel® Circular Grilles** shall only be fixed with **intumescent Tecsel® Mastic**.

Mounting spaces shall be limited to 4 mm, and covered with **Tecsel® Mastic**.

The **Tecsel® Circular Grilles** have been certified focusing on the test wall thickness in order to obtain fire resistance on both sides.

Space between grilles: grilles up to 400 x 200 mm are separated by a calcium silicate strip of 30 mm wide and thickness corresponding to the grilles (40, 50 or 60 mm). In order to separate bigger sized grilles, a minimum space of 200 mm shall be left between each grille.

*We guarantee that the quality of our materials complies with the indicated technical specifications. The consumer must decide, under his own responsibility, the suitability between the product and its use. The consumer must conduct tests and be sure of the efficacy of the product regarding the application. **mercortecresa®** does not guarantee, either explicitly or implicitly, the compatibility of a product with any application. We cannot be held responsible for any damage or accident resulting from the use of our products.*