Gap Vent

SECURO
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Flame and ember resistant Gap Vent

The gap vent is a vent developed by Securo with the aim to secure smaller gaps and openings in facades while maintaining required venting. Typical application can be openings at ends of roof boarding.

A unique quality of the gap vent is that it is flexible. It can be pressed flat, but will bounce back to its original shape when the pressure is released. This property makes the gap vent suitable for use in small air gaps of varying width.

The product is easy to install by hand and is barely visible from the outside once installed. The vent is easy to remove without leaving any trace on the building. Therefore, the vent is suitable for use in listed/protected buildings

The gap vent can be described as a wire mesh tube containing a string of intumescent. The vent will not seal the gap when installed, but allows necessary venting. The mesh is dimensioned to stop embers and flames. The intumescent will expand when exposed to heat and will fill and close the vent. In other words, the vent will stop both embers and initial fire as well as sustainable fire.

Standard dimension is 20 mm diameter and can be used in gaps up to 16 mm.

Product data

Available in desired lengths.

Diamete: 20 mm

Tested in accordance to:
prEN 1364-6:2016

Vents tested between gypsum surfaces have fire resistance of 25 min. For a double layer of the vent, the fire resistance is 45 min.

Technical data

Securo mini vent consists of stainless steel (AISI304) wire mesh tube in and intumescent material (heat expanding material).

Installation

Securo Gap vent must be handled with care as the mesh easily can be torn. Damages in the mesh will weaken the vent's performance in a fire. It is recommended that the product is kept in its original packaging until assembly. Should be stored under roof and must not be exposed to temperatures lower than -50˚C or higher than +100˚C.

The gap vents are cut to desired lengths. For best result, the intumescent strips should be taken out of the mesh tube and cut separately. Both intumescent and mesh can be cut with cutting pliers.

The intumescent shall not be longer than the mesh tube and, when cutting the mesh, it must be taken into account that the ends of the mesh tube tends to roll up. The lengths of the mesh can to some degree be adjusted by stretching or compressing.

Adjust the length of the vent so that it is the same length as the gap that should be protected. The opening between the vent's surface and the contact surface should not be more than 2 mm. The gap vent is installed by pushing it by hand, or by using a wooden wedge, into the opening that should be protected. It can be pushed in so that it is hardly visible from the outside.

The gap vent can be used in gaps with height up to 16 mm. The gap vent is adjusted to the gap height by carefully shaping the mesh. Make sure that there are no openings between the contact surface and the vent.

Note

- Handle vent with care to avoid tearing of the mesh.
- Make sure that the vent is slightly pressed together when installed (oval shape)
- Make sure that the vent is stretched all the way to the edges of the gap

Maintenance

The gap vent contains no moving parts and does not require any special maintenance to ensure function in case of a fire.

Environment

The gap vent is of stainless steel and can be delivered for recycling. The intumescent can be deposited as general waste.

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