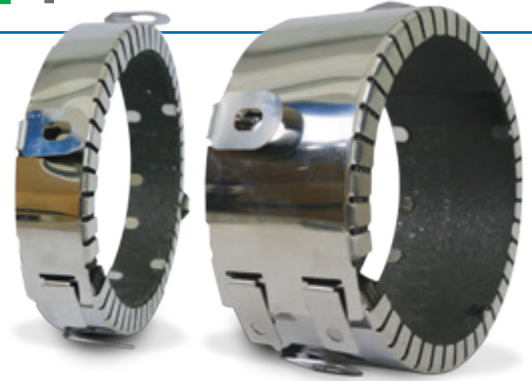




◀ **ULTRA SILENT™**

◀ **ULTRA SILENT+™**



## Fire safety

### 1. Fire behavior

The ◀ **ULTRA SILENT™** system has been tested and certified according to the most stringent European standards of building materials fire safety:

#### 1.1. EN 13501-1:2009 by IBS and classified D - s2, d2.

This standard defines classes of burning behavior for building materials, and specifies the requirements and test methods for each class. The classification of reaction to fire and valid practical range of application is contained in the representational classification report.

#### 1.2. DIN 4102-1 by SKZ and classified B2.

This standard defines classes of fire behavior for building materials, and specifies the requirements and test methods for each class. The test method measures the ignitability of building products when exposed to a small flame.

### 2. Fire collars

◀ **ULTRA SILENT™** and PP-ML pipes can be protected with ◀ **ESHCOLLAR™**, fire stopping collars for plastic pipes made from stainless steel with an inlaid graphite-based intumescent.

◀ **ESHCOLLAR™** has a starting temperature of approximately 150°C, with highly efficient performance and non-ageing certification.

#### 2.1. ◀ **ESHCOLLAR™** Standards and Approvals:

- Tested and approved according to EN 1366.
- ◀ **ESHCOLLAR™** tested and approved with ◀ **ULTRA SILENT™** and PP-ML pipes according to EN 13501.

#### 2.2. ◀ **ESHCOLLAR™** advantages:

- Collar housing made of stainless steel.
- Tested and approved with U/U (open/open) positioning and EI 120.
- Tested and approved with noise insulation materials in wall and ceiling, with most common construction and partition types.
- Optional assembly with contact (no gaps) between collars.
- Tested and approved with omega ( $\Omega$ ) installation method.

#### 2.3. ◀ **ESHCOLLAR™** standard sizes:

- V30 - for ◀ **ULTRA SILENT™** and PP-ML pipes with diameter up to  $\varnothing$ 135 mm
- V60 - for ◀ **ULTRA SILENT™** and PP-ML pipes with diameter up to  $\varnothing$ 250 mm



◀ **ESHCOLLAR™** V30



◀ **ESHCOLLAR™** V60