

Firecollar

Fire protection cuff

Technical Data Sheet

03/2024



Material

Firecollar fire protection collar provides an effective seal against fire, smoke and gases for pipes of various sizes. It consists of two parts. The collar is made of a steel casing and a heat-swelling lining.

Storage

Store in a dry place on wooden pallets in unopened original packaging. Storage temperature from +5 °C to +30 °C.

Quality assurance

In accordance with the requirements of the standard EAD 350454-00-1104, Knauf Firecollar has been tested with European Technical Assessment ETA 23/0971, continuous production process control is ensured. The product is CE marked

Application

Firecollar fire protection collar is designed for fire protection of all types of pipes and cables, as well as cable bundles, where high fire resistance is required. It is classified for all types of structures - lightweight partitions, solid walls and ceilings, solid wood CLT wall and ceiling panels.

Firecollar is designed for sealing utility penetrations:

- cables, cable bundles, cable protection pipes, steel pipes, copper;
- pipes, multilayer pipes, combustible pipes PVC, PE, ABS, PP,
- PEX pipe-in-pipe and square plastic air ducts.
- For interior work.

Features and benefits

- For smaller pipes (up to 160 mm) a larger sized sleeve can be used
- Pipes up to 50 mm can be at an angle of 90° to 45° to the enclosing structure
- Low emissions – environmentally and user friendly
- Classified for all types of structures and utility crossings
- Quick and easy to install
- Unlimited storage life
- Service life 25 years
- For interior work

NB!

Firecollar collar is designed for all types of derived combustible pipes:

- PVC pipes, incl. PVC-U, PVC-C and others, if they conform to EN 1329-1, EN 1452-2, EN 1453-1 or EN 1566-1,
- PP pipes, incl. PP-MV, PP-H, PP-R and others, if they conform to EN 1451-1 or DIN 8077/8078,
- PE pipes, incl. PE-LD, PE-MD, PE-HD, PE-X and others, if they conform to EN 1519-1, EN 12201-2 or EN 12666-1, ABS according to EN 1455-1 and pipes, made of SAN+PVC, according to EN 1565-1.

Installation

Openings in walls and ceilings must be dry, clean and dust-free. The collar is installed by wrapping it around the pipe and screwing it to the base structure.

Gaps in the structure:

- up to 8 mm – sealed with Knauf FPA Acrylic,
- over 8 mm – filled with Knauf FPA Acrylic and rock wool insulation.

Temperature/climate

The air and base temperature during application and curing must be between -20 °C and +50 °C.

The application must be carried out in accordance with ETA 23/0971 and the Knauf Firecollar E411b.lv-A01 installation instructions.

Other instructions

This technical data sheet specifies the amount of material to be used and the recommended work to be carried out, but it cannot replace the skills of the contractor. In addition to these recommendations, the work must be carried out in accordance with the requirements of the construction work. The manufacturer guarantees the quality of the product, but this has no influence on the type and conditions of its use. In case of doubt, a trial application must be carried out. This technical sheet cancels previous editions of technical sheets

Occupational safety and waste disposal

Waste identification class: 160304, 170405 (see material safety data sheet).

Technical data

Designation	Unit	Value / Size
Fire resistance	LVS EN 13501-2	ETA 23/0971
Durability	EAD 350454-00-1104, Clause 2.2.9	Z2
Operating time	Years	≥ 25
Airborne sound insulation*	EN 10140-1,2,4,5/ EN ISO 717-1	Rw(C;Ctr) = 62 (-1;-5) dB
Expansion coefficient	-	17:1
Expansion pressure	N	65,4
Expansion time	min	~2
Minimum expansion temperature	°C	105
Temperature resistance	°C	-40 līdz +80
Installation temperature	°C	-20 līdz +50
Color	-	White
* Sound insulation is assessed for PVC pipe Ø 160 mm x 3.2 mm Knauf Firecollar, the gap around the pipe is sealed with rock wool 35 kg/m ³ 20 mm deep		

Delivery

Title	Packaging	Art. Nr.	EAN code
Knauf Firecollar Ø 32/30 mm	24 pcs. per box	00656504	5902367205324
Knauf Firecollar Ø 32/50 mm	24 pcs. per box	00656505	5902367205331
Knauf Firecollar Ø 40/30 mm	24 pcs. per box	00656506	5902367205348
Knauf Firecollar Ø 40/50 mm	24 pcs. per box	00656507	5902367205355
Knauf Firecollar Ø 55/30 mm	24 pcs. per box	00650567	5902367204334
Knauf Firecollar Ø 55/50 mm	24 pcs. per box	00650744	5902367204341
Knauf Firecollar Ø 82/30 mm	24 pcs. per box	00650828	5902367204358
Knauf Firecollar Ø 82/50 mm	24 pcs. per box	00650745	5902367204365
Knauf Firecollar Ø 110/30 mm	24 pcs. per box	00650746	5902367204372
Knauf Firecollar Ø 110/50 mm	24 pcs. per box	00650747	5902367204389
Knauf Firecollar Ø 125/60 mm	20 pcs. per box	00650749	5902367204396
Knauf Firecollar Ø 140/60 mm	12 pcs. per box	00656515	5902367205423
Knauf Firecollar Ø 160/60 mm	12 pcs. per box	00650748	5902367204402
Knauf Firecollar Ø 200/60 mm	2 pcs. per box	00650751	5902367204419
Knauf Firecollar Ø 250/75 mm	2 pcs. per box	00650752	5902367204426
Knauf Firecollar Ø 315/70 mm	2 pcs. per box	00650750	5902367204433

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Manufacturer: SIA Knauf