

Reference documents:

European Technical Approval:
Certificate of Constancy of Performance:
Declaration of Performance:

ETA-16/0189
1488-CPR-0579/W
CARBO/009-21-12-2016

Technical Data:

Fire resistance class	Up to EI 120 U/C Up to EI 120 C/C Up to EI 120 C/U
Environmental class	Z1 y Z2
Storage temperature range	From +5 °C to +35 °C
Application suitability lifetime	Unlimited. However, recommended period not longer than 24 months
Commercial packaging	1 piece
Collar types	CC-25 -25 CC-25 -32 CC-25 -40 CC-25 -48 CC-25 -55 CC-25 -68 CC-25 -75 CC-25 -82 CC-25 -90 CC-25 -110 CC-25 -125 CC-25 -135 CC-25 -160 CC-25 -200 CC-25 -250 CC-25 -315 CC-25 -350 CC-25 -400



Product Description:

The CarboCollar CC fire-resistant collars consist of an external cover made of stainless steel sheet and one or few intumescent cartridges which, in case of a fire, increase their volume. The steel cover is equipped with a clamp for fastening the collar and stabilizing it on the pipe, as well as with assembly handles with openings through which expander fittings, fixing the collar to the partition, are passed.

Intended Use:

CarboCollar CC fire-resistant collars are intended for fire-resistant insulation of service penetrations through walls and ceilings with pipes passing through them of < 400 mm diameter made of:

- plastics (PVC, PP, PE-HD, PE, ABS, SAN+PVC),
- copper and steel,
- PVC with PVC-insulated cables running inside the PVC pipe,
- PVC with PP pipes running inside the PVC pipe insulated by elastomeric foam (FEF e.g. Kaflex, Armaflex) or without insulation.

Thickness of the partitions through which the installations are passed should not be smaller than:

- 125mm – frame walls made of type F or DF plasterboard. Install the collars on both sides, on the outside of the wall
- 125mm – walls made of concrete, solid bricks, cellular or checker bricks. Install the collars on both sides, on the outside of the wall,
- 150mm – ceilings. Install the collars from the bottom, on the outside of the ceiling.

Application:

1. Check if the surface around the pipe is flat and free from any unevenness, if needed, smooth it out using FLAME CABEL PASTA A
2. Remove the pin locking the collar and put it onto the pipe.
3. Drag the fixing pin through the hole pull back 180° to fix it.
4. Attach the entire collar to the wall using wall screws or expanding metal anchors (plasterboard walls). Do not use wall plugs which contain plastic components.
5. The gap in the wall between the collar and the hole should be:
 - Up to 5mm, filled with FLAME CABEL PASTA A,
 - Above 5mm, filled with cement mortar.
6. Mark the penetration with the TAG supplied with the CarboCollar CC collar

Technical specification of CarboCollar CC fire-resistant collar

Pipe diameter (mm)	CarboCollar Type	Outer collar diameter (mm)	Spacing of the fixings (mm)	Number of collar fixings	Wall plug diameter and length
25	CC-25	38	95	2	M6x60
32	CC-32	41	104	2	M6x60
40	CC-40	52	108	2	M6x60
48	CC-48	59	119	2	M6x60
55	CC-55	74	124	3	M6x60
68	CC-68	84	134	3	M8x80
75	CC-75	91	137	3	M8x80
82	CC-82	100	150	3	M8x80
90	CC-90	110	152	3	M8x80
110	CC-110	134	160	4	M8x80
125	CC-125	148	180	4	M8x80
135	CC-135	158	192	4	M8x80
160	CC-160	200	234	6	M8x80
200	CC-200	255	315	7	M8x80
250	CC-250	305	365	8	M8x80
315	CC-315	345	415	9	M8x80
350	CC-350	355	465	9	M8x80
400	CC-400	442	525	9	M8x80

Health and Safety

This product is intended for professional use in an industrial environment. Follow the applicable health, safety and environmental protection regulations when using and applying the product. Read the MSDS of the product before use.

Version: 01/2019

The information provided herein is based on the knowledge and experience of the manufacturer on the date of issue hereof. All information is provided in good will. Given the variety of application methods and conditions, verify them in actual conditions. The manufacturer declines all liability not related to the conditions in the valid standard.