MARVON
DOMINIAMO IL FUOCO

GROUP SILMAR



TECNOCOLLAR

Technical information

TECNOCOLLAR is Marvon's fire collar designed and developed to ensure fire resistance up to EI 240 of penetration seals on wall and floor according to EN 1366-3.

TECNOCOLLAR is composed of a white coated steel shell that splits in two to fit around the service penetrations by means of a simple “side lock” system. Inside it is fitted with an intumescent graphite based reactive material that in case of fire reacts sealing the crossing.

Application field

TECNOCOLLAR can be used on flexible wall (plasterboard), rigid wall (masonry, concrete and aerated concrete) and on rigid floor (concrete or aerated concrete).

It has a fire resistance up to EI 240 classified according to EN 13501 for:

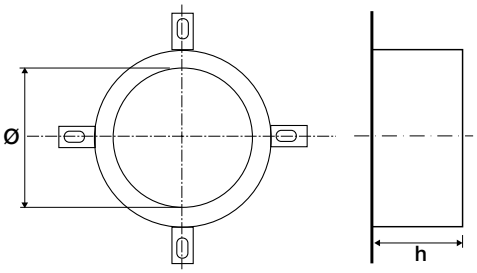
- Combustible pipes (PVC-U, PVC-C, PE, LDPE, MDPE, HDPE, ABS, SAN+PVC, PP)
- Combustible soundproof pipes (e.g. Valsir Triplus®, Valsir Silere®, Valsir PP3, Valsir Blackfire®)
- Insulated incombustible pipes (copper or steel)
- Single or bundled electrical cables
- Empty holes

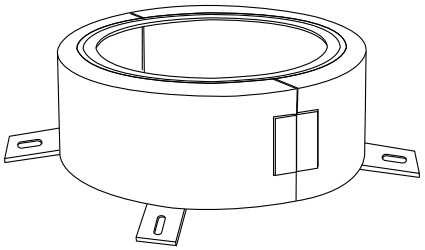
MARVON

Technical data

Fire resistance	Up to EI 240
Fire reaction	Performance not assessed
Diameters	Ø 32 - 315 mm
Collar's height	50 - 60 - 75 mm
Shell	Powder coated steel (1 mm thickness)
Intumescent material	▪ Graphite based ▪ Minimum expansion temperature 105°C ▪ Expansion ratio 1:17 ▪ Expansion pressure 65.4 N ▪ Graphite weight 1.4 kg/m^2 per mm thickness ▪ Graphite density 1,409 kg/m^3
Colour	White charcoal gray
Airborne sound insulation	R_w (C; C_{tr}) = 58 (-1; -7) dB
Content, emission and/or release of dangerous substances	IA1, S/W3
Storage	Unlimited (in normal conditions)
Working life	30 years
Durability	Z_2: use for internal conditions (relative humidity between 50% - 85% and temperature not below 0°C)
AVCP system	1

Dimensions





COD.	Ø pipe	h	Fastenings	M.O.Q.
MA0TF506032	32	50	4	5
MA0TF506040	40	50	4	5
MA0TF506055	55	50	4	5
MA0TF506063	63	50	4	5
MA0TF506075	75	50	4	5
MA0TF506082	82	50	4	5
MA0TF506090	90	50	4	5
MA0TF506110	110	50	4	10
MA0TF506125	125	60	4	5
MA0TF506140	140	60	4	1
MA0TF506160	160	60	4	10
MA0TF506200	200	75	6	1
MA0TF506250	250	75	6	1
MA0TF506315	315	75	6	1

All the dimensions are in mm.

MARVON

Packaging

Cardboard boxes according to the diameter:

- Up to 90 mm - 5 items for box
- 110 mm - 10 items for box
- 125 mm - 5 items for box
- 140 mm - 1 item for box
- 160 mm - 10 items for box
- From 200 mm - 1 item for box

Standard rules

- Test Standard: EN 1366-3
- Fire Classification Standard: EN 13501-2
- European Assessment Document: EAD 350454-00-1104

Certifications

- European Technical Assessment: ETA 17/0879

Technical specification

Supply and installation of fire collar TECNOCOLLAR, composed of a steel box containing an intumescent reactive material, certified according to ETA 17/0879, for fire protection up to EI 240 of combustible pipes, incombustible pipes, single and bundled electrical cables and empty holes, on wall and floor.

The fire collar must be installed on both sides on wall and just a single one on floor.

In flexible wall, use ≥ Ø 4 mm wood/plasterboard screws with a length suitable for the number of boards that form the wall. In rigid wall and floor, use ≥ Ø 4 mm x 40 mm long concrete screws or expansion bolts.

For different applications please refer to European Technical Assessment (ETA).

Diameters range from Ø 32 mm to Ø 315 mm.

ETA 17/0879
0843-CPR-0376

Marvon S.r.l. - Società a socio unico
Via Gargnà 6 - 25078 - Vestone (BS) ITALY
Telefono: +39 0365 81.390 - Fax: +39 0365 879.923
e-mail: marvon@marvon.com - **www.marvon.com**

Soggetta all'attività di direzione e coordinamento ex art. 2497 bis C.C.
da parte di Silmar Group S.p.A. - Codice Fiscale 02075160172

M-53/1 Marzo 2020