FLAMRO Variant N EC
EI 30 / 60 / 90 / 120 / 180 / 240

ETA-15-0802

Special Benefits
- Flexible solution for individual applications
- Very low installation height of the collar
- One sealing serves for maximum 3 pipes side by side
- Suitable for the application in wet and humid areas
- Slim collar
- For plastic pipes in corner constructions only 2/3 of the pipe sealing may be applied
- Delivery in a practical dispenser box

Permitted Configuration
- Plastic pipes up to Ø 160 mm
- Sound-isolated sewer pipes up to Ø 160 mm
- Multi-layer composite pipes ≤ 110 mm
- Plastic pipes, copper pipes and steel pipes with synthetic rubber

Extract of possible applications (further details in the mounting instruction)

Pipe diameter (mm)	32	32	40	40	50	50	63	63	75	75	90	90	110	110	125	125	140	140	160	160
Insulation thickness (mm)	-	4	-	4	-	4	-	4	-	4	-	4	-	4	-	4	-	4	-	4
Layers (Pcs)	2	2	2	2	2	2	3	3	3	3	4	4	4	4	5	5	6	6	6	6
Min. band length (mm)	250	320	320	360	375	440	685	780	800	895	1290	1400	1545	1660	2190	2425	2860	3050	3365	3530
Metal links (Pcs)	12	14	14	15	16	17	18	20	21	23	25	27	29	31	32	34	36	38	40	42
Hooks(Pcs)	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4

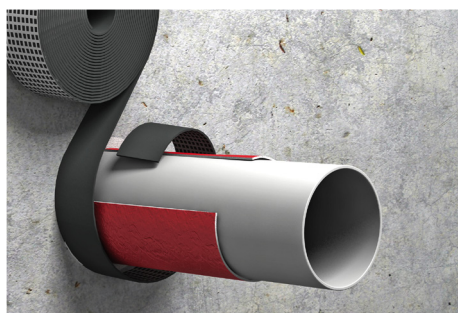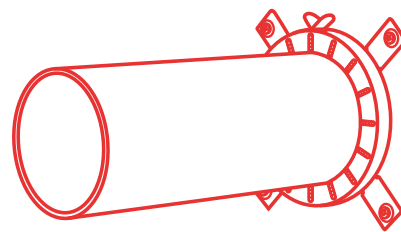## Form of Delivery

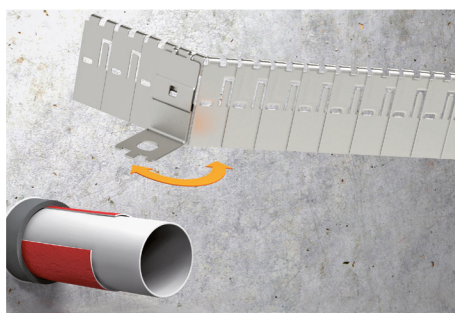| Article Description	Content / Dimensions	Art. No.
Dispenser box	10 m ROKU® Strip fire protection wrap, 3 m stainless steel strap, 18 hooks, 6 labels, 1 assembly instruction	15103
Stainless steel strap	3 m	15007
Hooks	18 pieces	15008

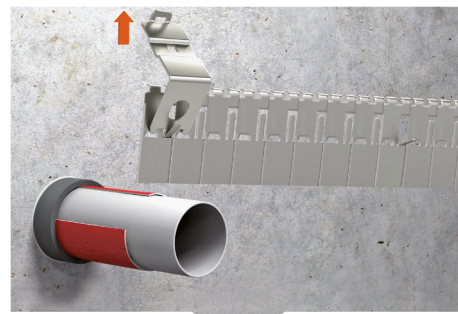How much material is required?

Description

The FLAMRO Variant N EC consists of the high performance intumescent material which is wrapped in one or more layers around the pipe or the insulation and fixed with a stainless steel strap and hooks at the wall or floor. In the event of a fire, the intumescent material expands with high pressure and thus seals the opening hermetically against flames and smoke. For wall installations one pipe collar on each side of the wall and for floor installations one collar on the underside of the floor must be provided.
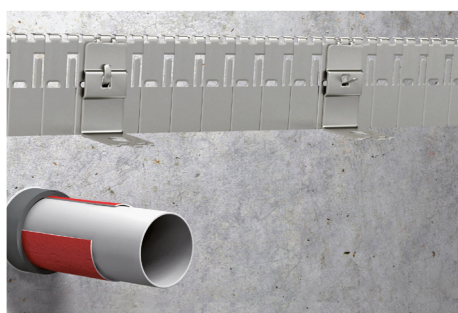
The collar could be installed around insulated and uninsulated pipes. Wrap the 40 mm wide intumescent wrap with appropriate layers depending on pipe diameter around the pipe or the insulation. Through taking-off the self-adhesive protection foil the layers of the strip will be glued together.

Count the number of required links according to the indications of the chart. Clip the clamp in the stainless steel strap at the required length. Make sure it is flush with the strap. Bend the stainless steel strap to and fro so that it splits. No additional tool required.
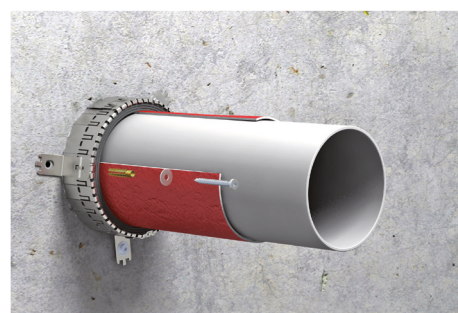
Push the long nose of the clamp through the stainless steel strap and fix the clamp in its place by pushing the clamp and finally bending by a 90º angle.

Clip the clamp in its position, push the 90º bended tab through the aperture and bend again by 90º so that the clamp is fixed.

Bend the two noses at the end of the stainless steel strap by a 90° angle. Join the other end of the strap by pushing the bended tabs in the horizontal notches of the other side of the stainless steel strap. Finally, bend the tabs so that both ends of the strap are joined together.

Fix to the wall or floor with approved rawlplugs. In drywall partitions and mineral fiber sealings use threaded rods M6 or M8. After that, the sealing can be signed permanently with a label.

Installation Data

	Rigid wall	Solid floors	Lightweight partition walls
Wall/floor thickness	min. 100 mm	min. 150 mm	min. 94 mm
Max. pipe diameter	Ø ≤ 160 mm	Ø ≤ 160 mm	Ø ≤ 160 mm