

## Description

Our Dunaseal grout sealing bands are made of one, two or more layers of flame-retardant, elastic sponge, with a corresponding number of expanding laminate layer, which, by their high and quick volume expansion in case of fire, fill in the fixed and moving gaps, and architectural expansions in order to avoid fire propagation. The installation of bands in the gap allows to create a quick and effective fire stop sealing in the wall or in the floor, or in the connection joint of two structural elements. Thanks to its flexibility it enables independent displacement of the structural elements while ensuring full airtightness.



## Mounting method

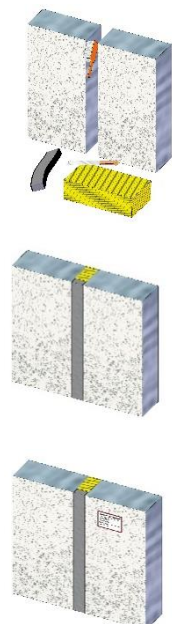
- Our Dunaseal grout sealing band is used to seal structural gaps and expansion joints up to a width of 100 mm.

## Technical details

Physical and chemical properties	Dunaseal
Color and appearance	Dark gray, rectangular block
Reaction to fire	E class
Density	$30 \pm 2 \text{ kg/m}^3$
Expansion ratio	$\geq 15$
Storage	between $+ 5 \text{ }^\circ\text{C}$ és $+ 40 \text{ }^\circ\text{C}$
Package	in 1m peaces

## Mounting method in joins and penetrations

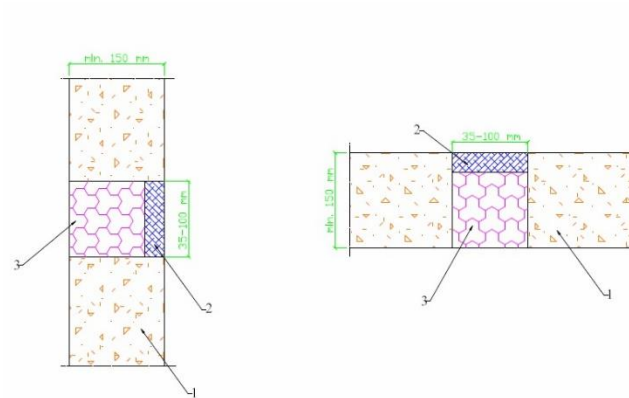
1. The internal wall surfaces of the penetrations shall be free from dust and other contaminations.
2. The gap shall be sealed using mineral wool of  $50 \text{ kg/m}^3$  of density, leaving a convenient free space to install the fire safety band.
3. The band shall be compressed and installed in the free space. The expanding layer shall face the wall.
4. It shall be installed in wall from one side, in floor only from below
5. Fire stop sealing shall be marked by a label containing the following data: constructor company name, applied materials, fire resistance limit value, certificate no., date of installation, signature of the installer



## Dunaseal gap consumption

Gap movement (%)	Gap width (mm)				
	Dunaseal single	Dunaseal double	Dunaseal multilayer 3	Dunaseal multilayer 4	Dunaseal multilayer 5
0	0 - 20	21 - 53	54 - 85	86 - 118	119 - 150
10	0 - 18	19 - 48	49 - 77	78 - 107	108 - 136
20	0 - 17	18 - 44	45 - 71	72 - 98	99 - 125
30	0 - 15	16 - 40	41 - 65	66 - 90	91 - 115
40	0 - 14	15 - 38	39 - 61	62 - 84	85 - 107
50	0 - 13	14 - 35	36 - 57	58 - 78	79 - 100

## Fire stop sealing of gaps and architectural expansion joints with Dunaseal band



1. Rigid wall or solid floor thickness  $\geq 150$  mm
2. Dunaseal
3. Mineral wool, min. density of  $50 \text{ kg/m}^3$

## Licences

ETA-18/0475

CoP 1488-CPR-0678/W