

Intumex® PS - Fire Resistant Cushion

General Information

Intumex® PS Fire Resistant Cushions are woven glass fibre bags filled with intumescent granular material. They are fitted into wall and floor openings enabling a quick and safe seal. Due to the flexibility of this system retro-fitting of pipes and cables is easily carried out.

Usage

Intumex® PS Fire Resistant Cushions can be easily installed and are universally suitable for cable penetrations as well as for building cavities. They are ideally suited to:

- Computer rooms.
- Telephone and communication centres.
- Temporary sealing during building construction.
- Power Stations.
- Hospitals.
- Industrial applications.

Properties

- Resistant to water and humidity, atmospheric influences (light, heat, frost) as well as to industrial climate.
- Consists of granulated intumescent material.
- Dust free.
- High tensile strength (coated glass fabrics, seam made of stainless steel wire).
- Expansion starts at approximately 150°C.
- Multiple usage possible.
- Retro-fitting possible without problems.



Intumex® PS - Fire Resistant Cushion

Installation

- Cover the installed cable bundles or pipes with a layer of cushions.
Continue to close the remaining void with further layers, ensuring that they are fitted tightly.
- In case of floor slab penetrations it is necessary to install a supporting steel mesh, screwed or hooked to the construction substrate.
- Constructions and dimensions must be in accordance with the relevant Intumex Fire tests.

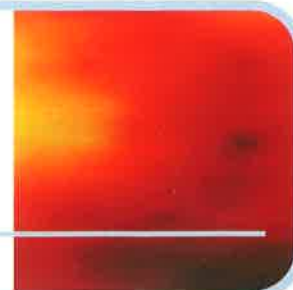
Technical Data

- | | |
|------------------------|--|
| ● Colour | Silver grey with red label |
| ● Consistency | Solid |
| ● Bulk Density | Approximately 0.4g/cm ³ |
| ● Reaction to Fire | Classification B2 |
| ● Expansion | Minimum 1:2.5 (30 min/600°C) |
| ● Reaction temperature | Approximately 150°C |
| ● Filling volume | Intumex® PS 750 approximately 2 litres
Intumex® PS 300 approximately 1 litre |
| ● Dimensions (l x w) | Intumex® PS 750 approximately 320 x 200mm
Intumex® PS 300 approximately 320 x 100mm |

Packaging

Intumex® PS 300: 10 pieces per carton
Intumex® PS 750: 5 pieces per carton

Subject to alteration.

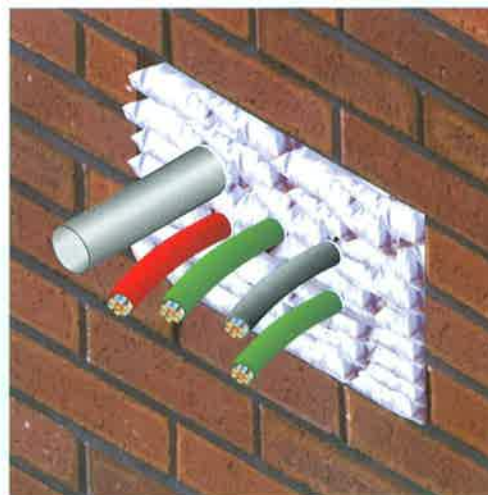


Safety Measures

- Keep out of reach of children.
- Avoid contact with food.
- Please refer to the safety data sheet.

Storage

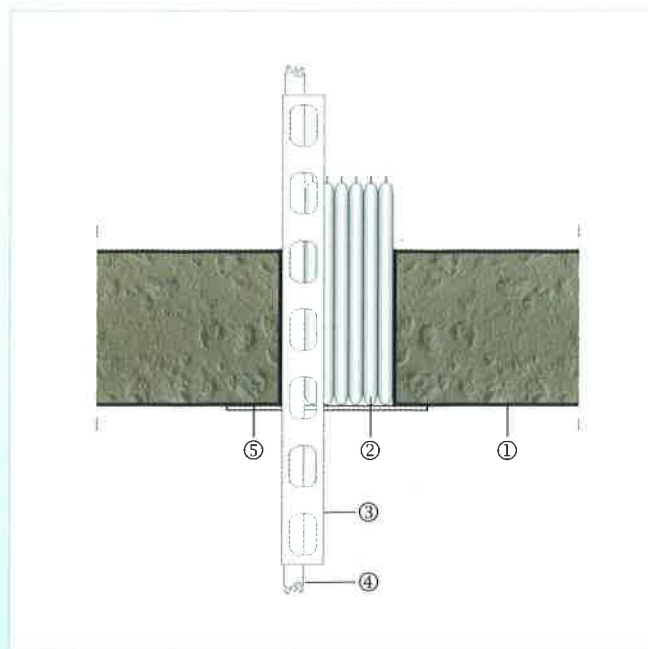
- Please store in a cool, dry place.



Recommendation of Usage

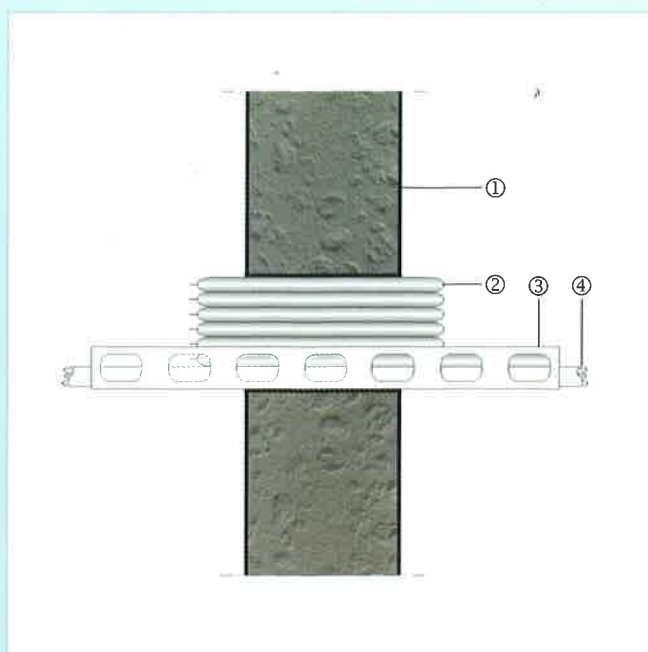
Opening		Amount of Cables			
Combination		10%	20%	30%	40%
0.1 m ²	Intumex® PS 300	3	2	2	2
	+ Intumex® PS 750	12	11	10	9
0.2 m ²	Intumex® PS 300	6	4	4	4
	+ Intumex® PS 750	24	22	20	18
0.3 m ²	Intumex® PS 300	9	6	6	6
	+ Intumex® PS 750	36	33	30	27
0.4 m ²	Intumex® PS 300	12	8	8	8
	+ Intumex® PS 750	48	44	40	36
0.5 m ²	Intumex® PS 300	15	10	10	10
	+ Intumex® PS 750	60	55	50	45
0.6 m ²	Intumex® PS 300	18	12	12	12
	+ Intumex® PS 750	72	66	60	54
0.7 m ²	Intumex® PS 300	21	14	14	14
	+ Intumex® PS 750	84	77	70	63
0.8 m ²	Intumex® PS 300	24	16	16	16
	+ Intumex® PS 750	96	88	80	72
0.9 m ²	Intumex® PS 300	27	18	18	18
	+ Intumex® PS 750	108	99	90	81
1.0 m ²	Intumex® PS 300	30	20	20	20
	+ Intumex® PS 750	120	110	100	90

Intumex® PS - Applications



Intumex® PS - Fire Resistant Cushion (floor)

- ① Floor $\geq$ 100mm thickness
- ② Intumex® PS Fire Resistant Cushion
- ③ Cable tray
- ④ Cable
- ⑤ Shuttering



Intumex® PS - Fire Resistant Cushion (wall)

- ① Wall $\geq$ 100mm thickness
- ② Intumex® PS Fire Resistant Cushion
- ③ Cable tray
- ④ Cable