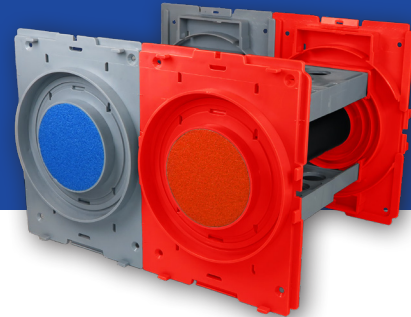




S Series Wall Penetrations

For concrete walls

For metal and plastic pipes and cables



Description

Sewatek S series penetrations are ETA-assessed and CE-marked fire stops, installed into casting and consisting of a technical cellular rubber insulation, its protective plastic pipe and an ABS plastic frame. All S series products can be manufactured with halogen-free insulation. Additionally, penetrations designed for cables and plastic pipes include a graphite intumescent fire strip that expands when exposed to heat. The series includes several frames of different sizes, making it possible to combine modular series with various ctc distances. Fire classification of EI 60 – EI 120 is attained depending on the structural strength and the HPAC requiring a passthrough.

Purpose of use

The product is used as a fire stop for pipes and cables in concrete walls. Common applications include water or heat pipes and electrical cables between the stairwell and an apartment. The S series products are best suited for new construction. If necessary, the product can be cast into an intermediate floor, such as the L-shaped slabs in a stairwell.

Installation

The S series penetrations are installed into casting at the element factory or into cast-in-place walls at the site. Rebars can be placed through the product, minimizing its impact on an element's bearing capacity. HPAC is installed once the casting has cured. Finally, an air-tight seal is created with regular acrylic putty.



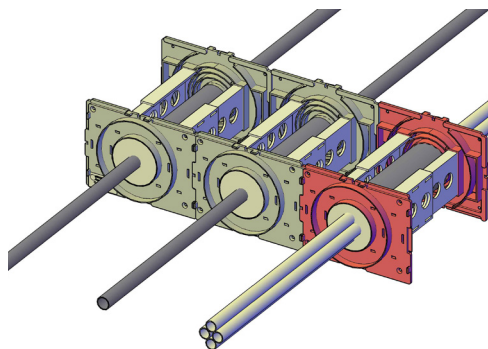
Product properties

There are two types of S series penetrations in terms of how they work, identified by the colour of the penetration frame endpiece.

In grey endpieces, the fire-stopping property is based on a mildly intumescent Sewatek penetration pipe and is therefore designed for metal and composite pipes.

The red endpieces come with intumescent fire strip which enables passthrough of plastic pipes and cables.

When assembled as a series, our penetration frames enable the following centre-to-centre distances: 70, 100, 120 or 160 mm. When installed individually, other distances are possible.



Penetrating HPAC

Cu-, FeZn-, Fe-, Composite and plastic pipes and cables

Product min length 100 mm, max length 500 mm

HPAC passing through

8–89 mm

Materials

Shell	PVC plastic
Sealing	Cellular rubber insulation
Fire strip	Graphite
Mounting support	ABS plastic

Additional information

ETA	ETA-12/0045
Fire classification	EI 60 – EI 120
Structure types	Concrete wall, min density 450 kg/m ³ and min thickness 100 mm
Ecolabels	Nordic Swan compatible [the halogen-free model] Byggarubedömning [the halogen-free model] SundaHus [the halogen-free model]
Other technical properties	Use category: Y2, also Z1 and Z2 Impact on airborne sound insulation < 2 dB