

H Series Floor Penetrations

For concrete intermediate floors

For metal and plastic pipes and cables



Description

Sewatek H series penetrations are ETA-assessed and CE-marked fire stops, installed into casting or a drilled opening depending on the product and consisting of a cellular rubber insulation and its protective plastic pipe. All H 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 mounting supports for both single pipes/cables and twin pipes in heat riser piping. Fire classification of EI 60 – EI 120 is attained depending on the structure and the HPAC requiring a passthrough.

Purpose of use

The product is used as a fire stop for pipes and cables in concrete intermediate floors. Typical applications include heat pipeline riser pipes and various HPAC in the casting of flue intermediate floors. The H series products are suitable for both new construction and renovation.

Installation

H series penetrations are typically mounted into casting to wait for the HCAV installation requiring a passthrough. H2 series penetrations can also be installed into drilled openings. Finally, an airtight seal is created with regular acrylic putty. The product can be cut flush with the structure but it can also remain extended beyond the structure.



Mounting supports

The H series includes several mounting supports for various structures.

Service penetration for hollow-core floor

- Primarily for twin heat pipes
- Installation on the edge strip of a hollow-core slab.

Service penetration for on-site casting

- Primarily for twin heat pipes
- Secured to the casting mould.

Module penetration

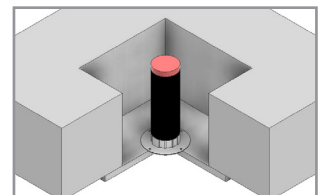
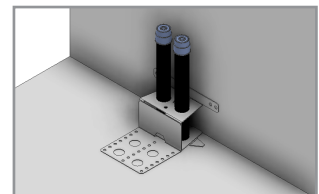
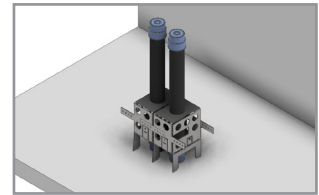
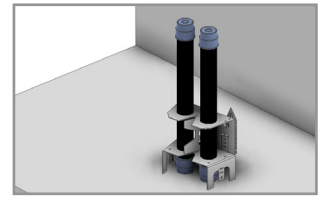
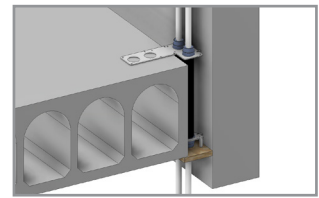
- For individual metal or composite pipes and various pipe ranges.
- Secured to the casting mould and on the edge strip of a hollow-core slab.

Thin-shell slab penetration

- Primarily for twin heat pipes
- Secured on the thin-shell slab surface

H2

- A H2 series penetration unit can be equipped with a bottom-end endpiece containing an intumescent fire strip, so it is suitable for not only metal pipes but also plastic pipes and cables.



Product properties

Penetrating HPAC	Cu-, FeZn-, Fe-, Composite and plastic pipes and cables
HPAC passing through	8–89 mm

Materials

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

Additional information

ETA	ETA-12/0045
Fire classification	EI 60 – EI 120
Structure types	Concrete wall, min density 850 kg/m ³ and min thickness 150 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