



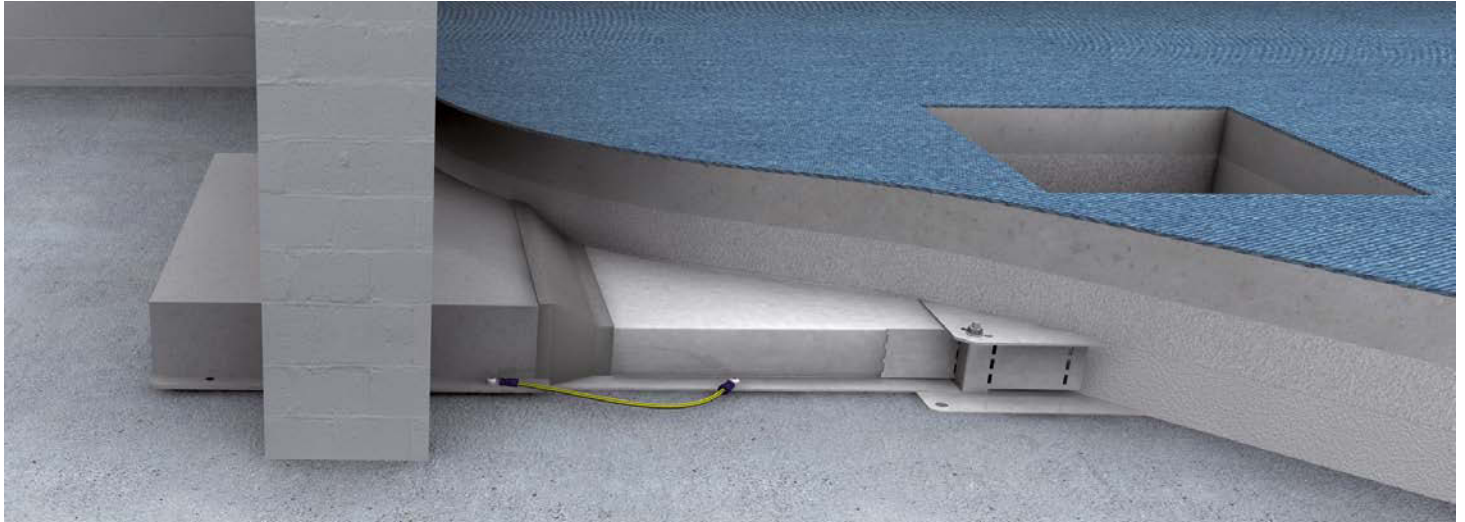
Fire protection for screed-covered underfloor systems

Assembly instruction



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Fire stop (cable seal WD90, Wichmann system) for screed-covered underfloor ducts with a width of 350 mm, available in the heights of 28, 38 and 48mm. Other sizes upon request. For the installation in fire protection walls of fire resistance grading S90.



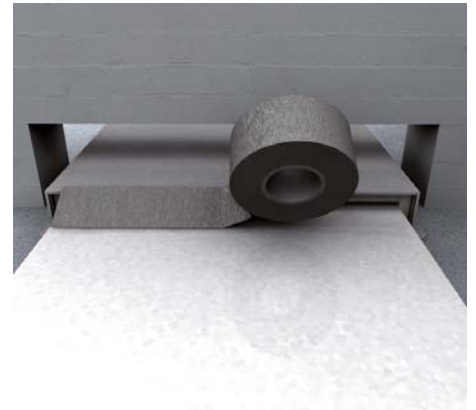
1 | Scope of delivery

The fire stop shipment includes an underfloor cable box and a quality label. Two EasyFoam smoke protection plugs can be ordered in addition to the content of delivery.



2 | Positioning the cable box

Place the cable box into the wall opening. The box must not protrude from the wall by more than 8,5 cm.



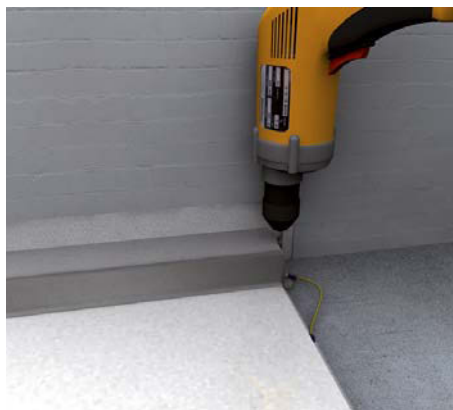
3 | Sealing

Push the screed-covered underfloor ducts flush to the fire stop and seal with rubber band. Ducts must not be led through the fire stop.



4 | Plastering

Thoroughly plaster into wall depth using mineral mortar or joint filling made of hard cement.



5 | Mounting the steel unit

Firmly plug the three-sided steel plate housing to the fire stop on the raw floor, allowing for an earthing connection.



6 | Inspection opening

In order to create an inspection chamber or an installation opening, mount hollow floor box to the underfloor duct and then insert shuttering unit.

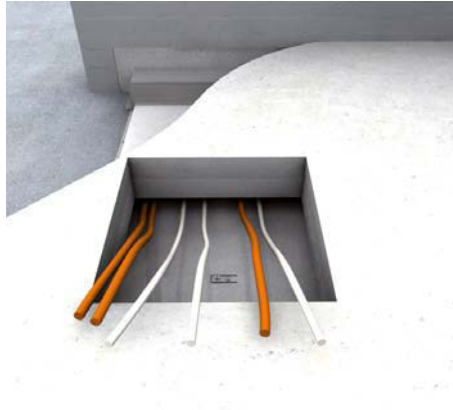
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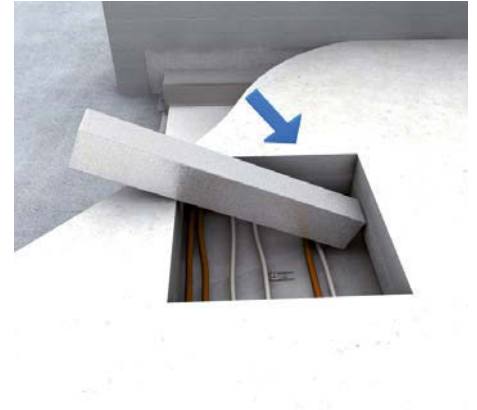
7 | Applying screed

After the completed mounting of the screed-covered underfloor duct system, apply sealing, impact noise insulation and screed.



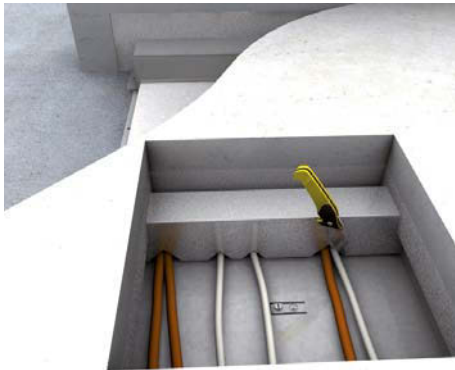
8 | Cable routing

Lay cables in screed-covered underfloor duct and fire stop. The ground below the partition must be even and not flammable.



9 | Smoke control

Place EasyFoam smoke protection plugs over the entire width of hollow floor box.



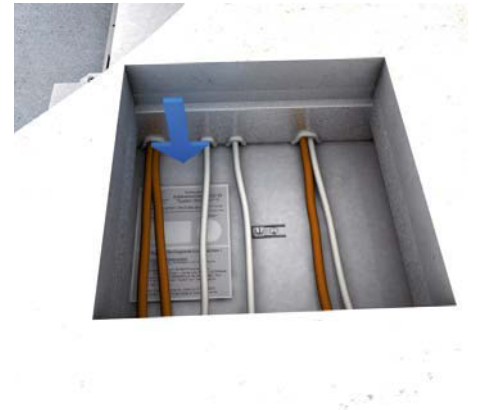
10 | Adjusting the size

Cut Easy-Foam smoke protection plugs according to the cable sizes.



11 | Sealing

All remaining openings must be sealed using silicone or EasyFoam fire protection foam.



12 | Quality label

Fill in quality label and fix to the hollow floor box. Hand in declaration of compliance together with permit.



13 | Fire protection components

The fire stop must be installed according to DIN 4102-4 in brickwork of up to 10cm thickness and sealed on both sides of the nearest hollow floor box using EasyFoam smoke protection plugs. The underfloor fire stop has a capacity of up to 100% for holding cables. All cables can be led through the fire stop without diameter restrictions, as well as glass fibre cables, hollow plastic pipes (up to a diameter of 50 mm) and single control cables made of steel, copper or plastic (up to 15 mm diameter).



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