Annular Space Sealing

Water-tight seal for wall entries of pre-insulated pipes Flexalen®

Design

Frame rings Triple corrosion protection coating

Bolts (watertight welded) and Nuts

Rubber seal: elastomer, 2 × 40 mm thick EPDM seals

Required Tools

Cleaner

Tissues

Torque wrench

Application Instruction

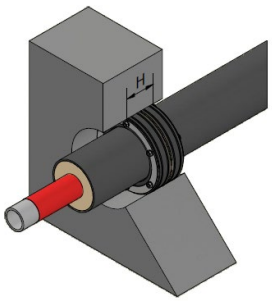
Application conditions and pipe preparation

The annular space sealing gasket inserts are used to safely seal the annular space between the waterproof concrete core bore/ casing and the casing pipe.

- Wall / foundation must be strong enough for the hole needed for the annular space sealing
- Breakouts, cracks and/ or cavities in waterproof concrete core bore should be smooth in advance
- The conduit (casing pipe) to be sealed must be cleaned in advance and must not have any axial depressions or elevations in or around the sealing area
- Transit and outer casing are undamaged and free from dirt and moisture
- Compress the surface of the trench where the pre-insulated pipe is to be laid firmly together before laying the pipe, so that no subsidence is possible and the casing pipe is aligned with the drill hole

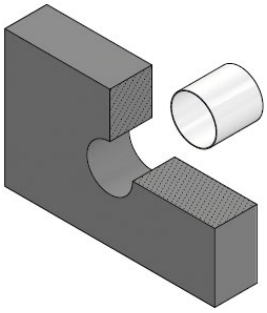
Table 1:

Item Code	Casing pipe OD [mm]	Cored hole D [mm]	H [mm]
1760-090150-000	90-91	150	80
1760-110200-000	110-111	200	80
1760-125200-000	125-126	200	80
1760-140200-000	140-142	200	80
1760-160250-000	160-162	250	80
1760-180250-000	180-182	250	80
1760-200300-000	200-202	300	80
1760-225300-000	225	300	80
1760-250350-000	250	350	80
1760-280350-000	280	350	80
1760-315400-000	315	400	80
1760-400500-000	400	500	80
1760-450600-000	450	600	80



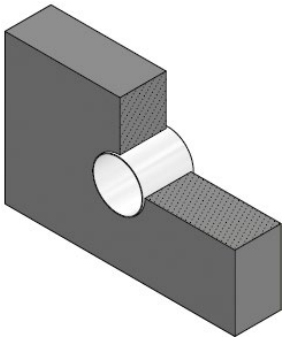
01.
TAKE MEASUREMENTS: Determine the diameter of the core boring or pipe sleeve, and the casing pipe and check them against the information on the carton or in the above table 1.

If using a PVC pipe sleeve go to step 02, if not go to step 04.

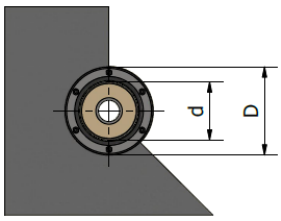


02.
Cut the PVC pipe sleeve to the required wall thickness. Insert the PVC pipe sleeve and seal in place with mortar.

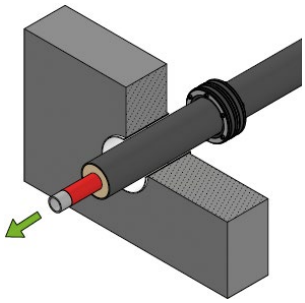
Attention! Follow the instructions from the PVC pipe supplier.



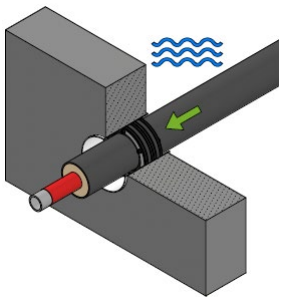
03.
Seal the inside surface of the PVC pipe sleeve or core-drilled hole (if not using PVC pipe sleeve) with epoxy resin.



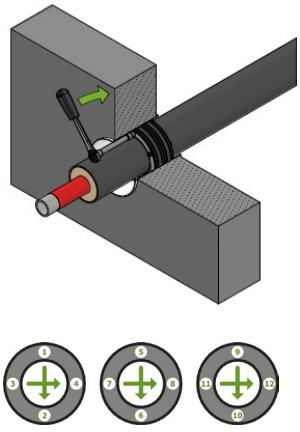
04.
Clean the outer casing of the pre-insulated pipe and make sure it is undamaged. Fit the annular space sealing on the casing. The annular space sealing nuts must face the inside of the building unless access is restricted.



05.
Feed the pipe with the annular space sealing in place through the hole in the wall.



06.
The annular space sealing must be placed as far as possible on the "water side".



07.
Tighten the nuts, alternating cross-wise with several turns each, up to the specified torque at most.

Bolt size	Max. tightening moment [Nm]
M5	2
M6	5
M8	7
M10	15
M12	18

Thermaflex International Holding
Veerweg 1, 5145 NS Waalwijk, NL
www.thermaflex.com