

Chapter 14: Sealing of pipe and cable wall conduits

Materials necessary

- ViscoSealant
- Foam
- Caulking gun
- ViscoBlock

Product description

ViscoSealant is a non curing paste that can be used to seal conduits where single or multiple pipes or cables penetrate a wall against the infiltration of moisture or gasses

Characteristics

Maximum operating temperature:	+50C/+122F + ViscoBlock
Surface	free from grease, oil, debris and loose parts
Application on wet surfaces	Yes
Sandblasting	Not necessary
Maximum pressure	1bar/14 PSI with ViscoBlock

Preparation

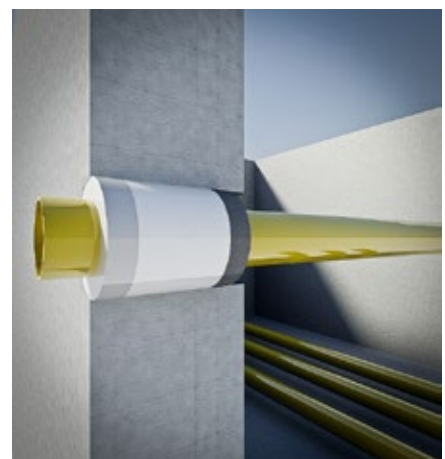
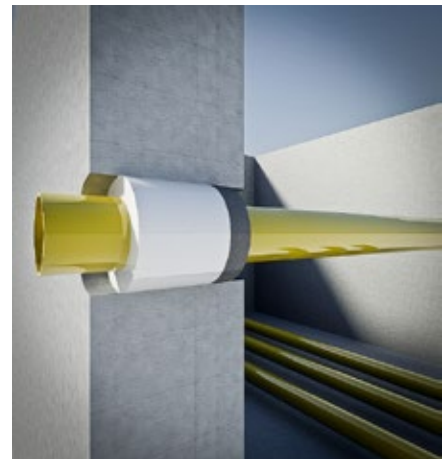
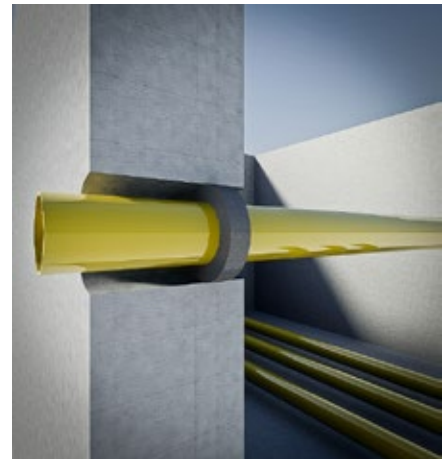
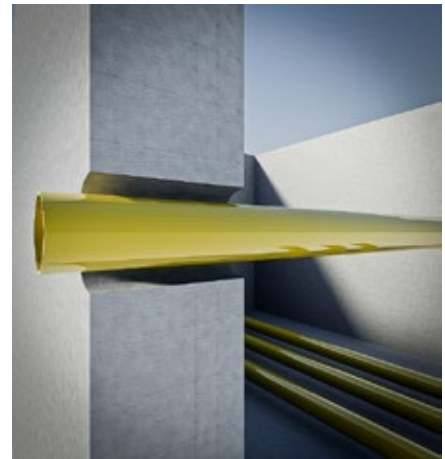
- Remove all debris, loose parts, oil and grease from the conduit and clean the cables.
- Clean the surface thoroughly with a wire brush and if possible with clean water. VISCOSEALANT bonds on a wet surface so it is not necessary to dry the surface.
- Do not use crossbars for pipe or cable supports as this will cause leaking.
- Place the ViscoSealant cartridges in a container with hand warm water so that the material obtains the right temperature for proper injection.

Positioning of pipes and cables.

- Apply a foam backing inside the conduit. The backing should be about 15 cm from the opening of the pipe. The backing is important otherwise the ViscoSealant is injected into a hollow space.
- It is important that the pipe and cable is centered as much as possible. In case of multiple pipes and cables, center and separate the pipes and cables in such way that a space exists between objects of a minimum 1 cm or 1/2".
- Clean the pipe and cable again and make sure not loose parts are present.

Injection of ViscoSealant

- Cut the top of the cartridge above the thread.
- Install the flexible nozzle onto the cartridge and install the cartridge into the gun.
- Push the throttle downwards and insert the nozzle towards the backing and start injecting the ViscoSealant while making a circular movement around all the pipes and/or cable(s).
- Sensing resistance indicates that the area is filled with sealant and the cartridge can be moved to the front of the conduit all while continuing to fill.

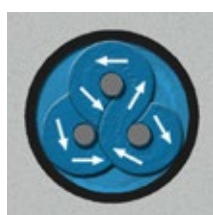
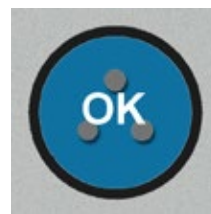
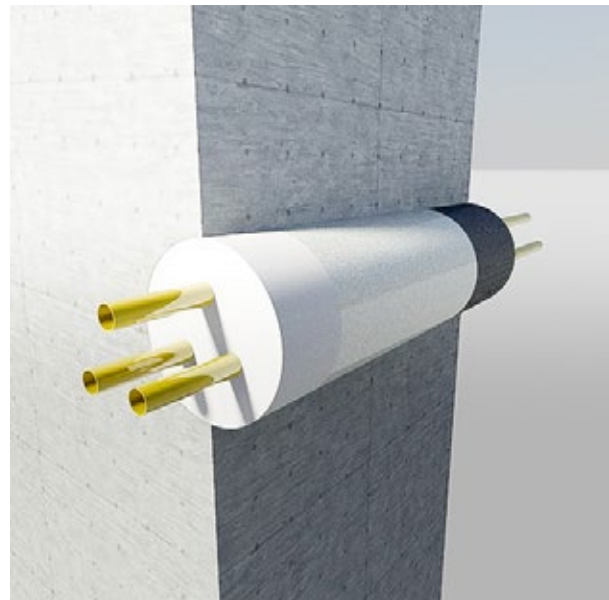
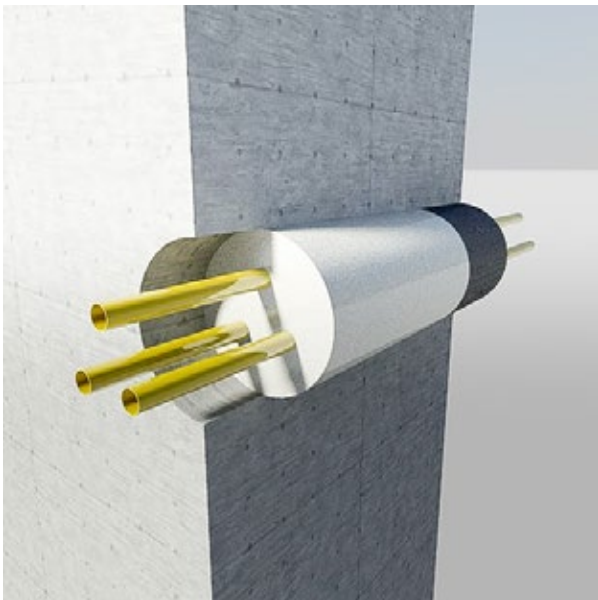
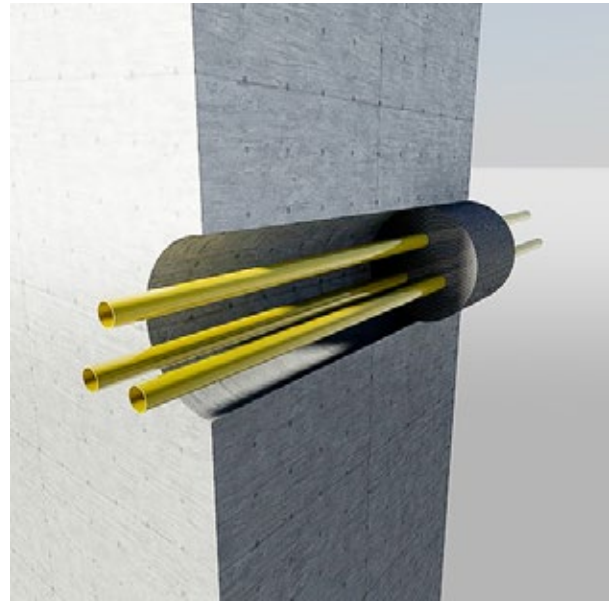
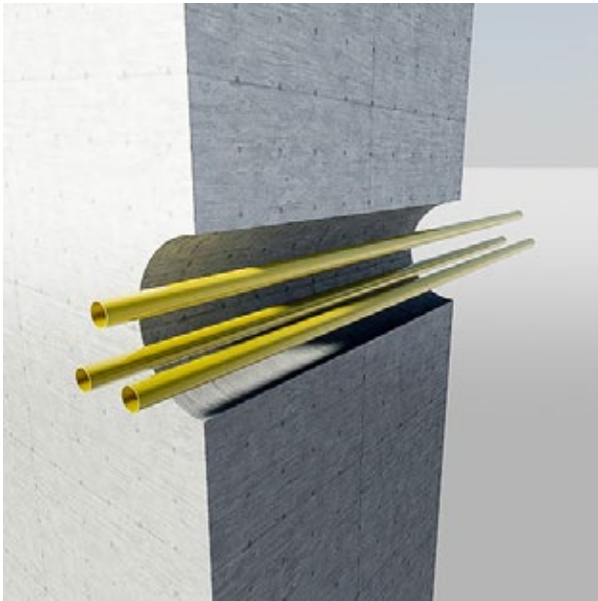


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Finishing

- It is advised to always use ViscoBlock in order to obtain a proper sealing against the pressure of water.
- In case no ViscoBlock is used, the injection can be ended by making a smooth finish with a putty knife at the beginning of the conduit.
- In case ViscoBlock is used, leave a depth of 5 cm/2" at the beginning of the conduit free.
- Mix ViscoBlock mortar according to the instructions and finish the mortar smoothly with a putty knife.

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