

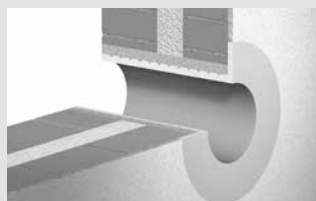
INSTALLATION INSTRUCTIONS

Curaflex® Pipe sleeve with bonding flange

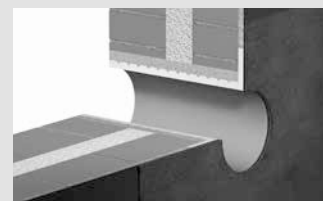
- Curaflex® 3001



Curaflex® 3001



Curaflex® 3001 in the wall



Curaflex® 3001 in the wall with thick coating

Intended use

special fiber cement pipe sleeve with bonding flange made of fibrous cement Curaflex® 3001 for installation in the wall, ceiling and floor slab.

Suitable for sealing made of:

- plastic modified bitumen coatings (PMBC/KMB) with pressing water up to a 3m water column (W2.1-E according to DIN 18533)
- crack-bridging mineral sealing slurries (MDS) with soil moisture and non-pressing water (W1-E according to DIN 18533)
- liquid plastics (FLK) with non-pressing water on earth covered ceilings (W3-E according to DIN 18533)

The pipe sleeve is used to accommodate a gasket insert (not included in the scope of delivery).

Please note:

Machining instructions for the installation of the Curaflex® pipe sleeve 3001 can be found on the following page.

For sealing the annular space between the pipe/cable and pipe sleeve you will need a sealing element.

We recommend installing a Curaflex® gasket insert. Visual inspection of casings for defects or damage upon delivery and before installation.

ATTENTION: If a gasket insert is installed in a Curaflex® 3001 special fiber cement pipe sleeve that has not yet been concreted-in, it should only be pre-stressed slightly. The pipe sleeves must be properly stored, secured so that they cannot roll away and protected against damage. There is a risk of damage to the pipe sleeve. Transport the pipe sleeves using hoisting gear that allows for even

lifting and lowering, with the aid of cables, straps, pipe grabs and similar. After the concreting-in, the gasket insert must be tightened with the pre-defined torque. If the pipe has already been laid, then the pipe sleeve must be positioned and fixed centrally around the pipe before concreting.

Scope of delivery

- Curaflex® Pipe sleeve
- Fiber glass matting (fleece only required for bitumen thick coating KMB/PMBC)
- Installation instructions

Tools

- Handheld hammer
- Compactor (e.g. internal vibrator)
- Manual or slow-running saw with dust catcher (only needed for cutting components to size)

Equipment

- Dust mask conforming to EN 149:2001 FFP 12360 (only needed for cutting components to size)
- Cleaning cloth

Accessories (optional)

Curaflex® 1701 pipe feed-through

Curaflex® 1702 sealing plug

Gasket insert: Curaflex® or Curaflex® Nova

Further accessories on request.

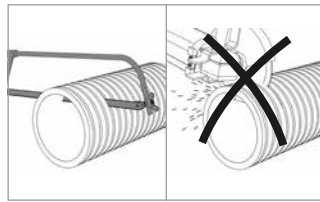
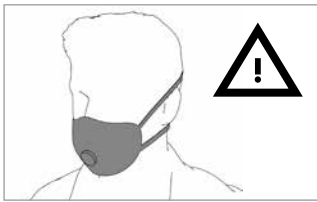
Installation conditions

The bonding flange must be clean, free of dust and grease. As a rule, distances for flange constructions according to DIN 18195/DIN 18533 must be arranged as follows:

Flange outer edge to flange outer edge or to other components, for example, building edges and grooves, wall connections, at least 150 mm in the case of non-pressing water, and at least 300 mm in the case of pressing water.

In the case of expansion joints, distances of at least 300 mm must be maintained for non-pressing water and at least 500 mm for pressurised water, unless a larger distance is required for processing reasons.

Processing notes



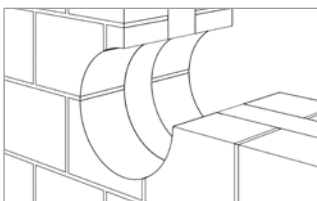
DOYMA supplies the Curaflex® special fiber cement pipe sleeve in any desired length so that no post-processing is required. In case of planning changes on site, which require processing of the special fiber cement pipe sleeve, **please observe the following instructions:**

- The special fiber cement pipe sleeve may only be shortened by the customer on the water side.
- If possible, process the special fiber cement pipe sleeve outdoors or in well-ventilated rooms.
- Use only hand-operated or slow-running units with a dust collector device!
- Wear a dust protection mask according to EN 149: 2001 FFP 12360.
- Preferably moisten the special fiber cement pipe sleeve before cutting or drilling.

Installation steps

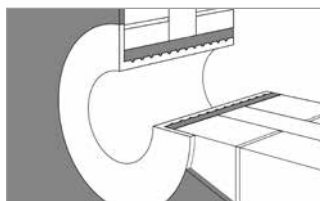
Curaflex® 3001 - Installation in brick walls

1 Breakthrough min. 50 mm larger



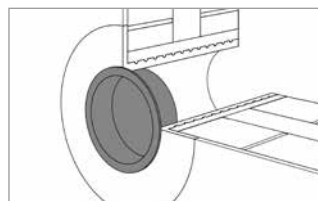
The breakthrough should be at least 50 mm larger than the surrounding area. Outer diameter of the pipe sleeve to be inserted.

2 pipe sleeve cemented-in



Pipe sleeve, cemented into wall opening. Bonding flange flush with wall.

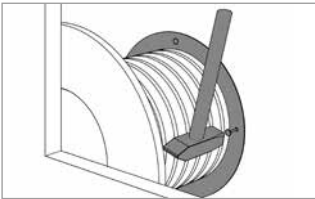
3 Pipe sleeve with sealing plug



Protect the pipe sleeve during the shell construction phase with Curaflex® 1702 sealing plug (not included in the scope of delivery).

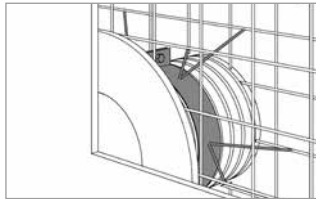
Curaflex® 3001 - Installation in concrete

1 Pipe sleeve with auxiliary formwork



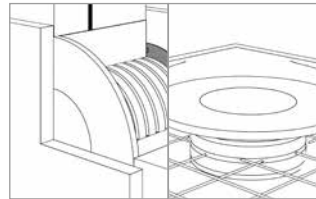
Affix the pipe sleeve during the shell construction phase with Curaflex® 1701 sealing plug (not included in the scope of delivery). 2 Auxiliary formworks are required per pipe sleeve.

2 Example of fixing in steel formwork



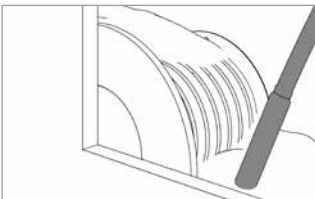
Example: Fixing in steel formwork by means of welded joints with pipe clamp (pipe clamp provided by the customer).

3 In concrete walls, floor slabs, ceilings



Example: Walling in a concrete wall (figure - left) Pouring - such as in floor board/ceiling (figure - right)

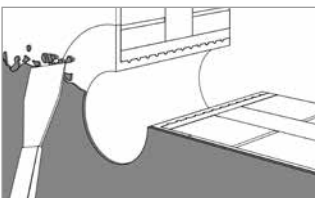
4 Sealing



Seal the concrete in the pipe sleeve seam thoroughly.

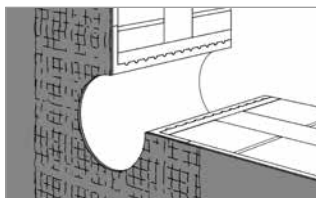
Curaflex® 3001 for bitumen thick coatings (KMB/PMBC)

1 Application of the thick coating



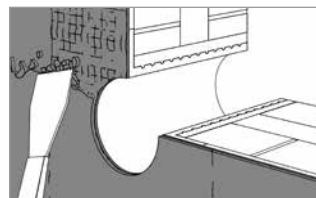
Applying the first layer of PMBC/KMB (for more information see DIN 18195/ DIN 18533) on the wall and the bonding flange. Observe the guidelines for processing the production of PMBC/KMB!

2 Fiber glass matting



Slightly press fiber glass matting insert into the thick coating.

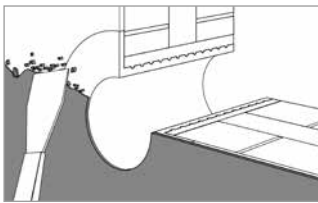
3 Application of the second layer



Application of the 2nd layer of the PMBC/KMB. Observe the guidelines for processing the production of PMBC/KMB!

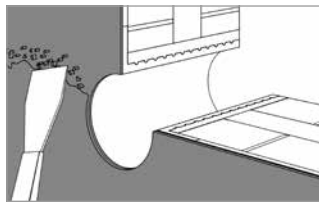
Curaflex® 3001 for sealing slurries (MDS)

1 Application of the first layer



Applying the first layer of MDS (for more information see DIN 18195/DIN 18533) to the wall and the bonding flange. Thereby, observe the guidelines for the processing to create the MDS!

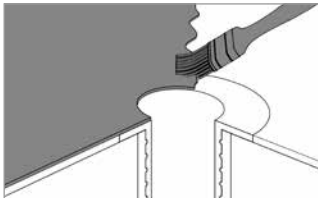
2 Application of the second layer



Applying the second layer of the MDS (for more information see DIN 18195/DIN 18533) to the wall and the bonding flange. Thereby, observe the guidelines for the processing to create the MDS!

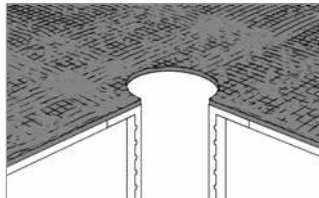
Curaflex® 3001 for liquid plastics (FLK)

1 Application of the first layer



Applying the first layer of the FLK (for further information see DIN 18195/DIN 18533) on the wall and the bonding flange. Thereby, observe the guidelines for the processing to create the FLK!

2 Building-side insert



Integrate building-side inlays of the FLK system according to the specifications of the FLK manufacturer.
Note: Do not use the supplied fiber glass matting.

3 Application of the second layer



Applying the second layer of the FLK (for further information see DIN 18195/DIN 18533) on the wall and the bonding flange. Thereby, observe the guidelines for the processing to create the FLK!

Curaflex® 3001 for other waterproofing materials

Note:

The use and processing must be agreed and carried out in consultation with the manufacturers of the respective sealing systems.

DOYMA products are continuously being further developed. Technical changes will be performed without prior notice.
25 year warranty on all DOYMA products. **More information at www.doyma.de**

DOYMA GmbH & Co

SEALING SYSTEMS
FIRE PROTECTION SYSTEMS

Industriestr. 43-57
28876 Oytten

Phone: 0 42 07/91 66-300
Fax: 0 42 07/91 66-199

www.doyma.de
info@doyma.de