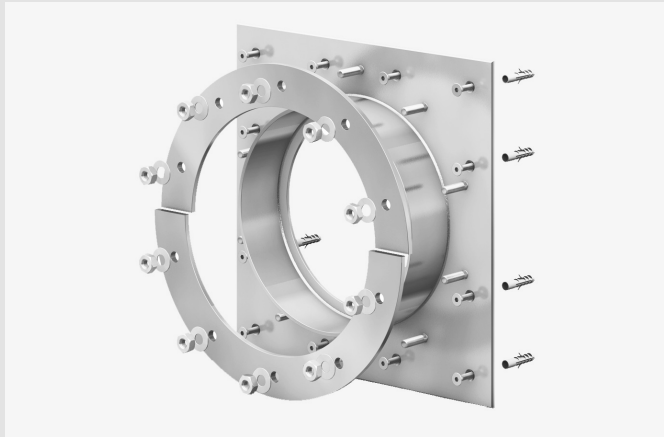


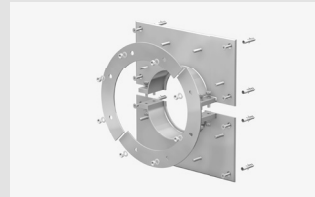
# INSTALLATION INSTRUCTIONS

## Curaflex® casings with fixed and loose flange

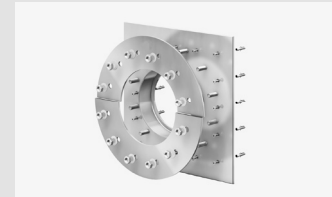
- Curaflex® 7005
- Curaflex® 7005/T
- Curaflex® 7006
- Curaflex® 7006/T



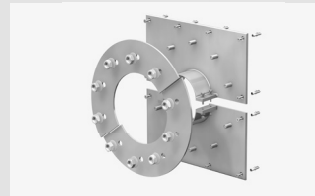
Curaflex® 7005



Curaflex® 7005/T



Curaflex® 7006



Curaflex® 7006/T

### Intended use

Steel casing pipe for flange-mounting to the wall, ceiling, base plate / sole; to accommodate a sealing insert; for buildings with sealing membranes and thick coatings (black trough) in accordance with DIN 18195/DIN 18533/DIN 18535

Curaflex® 7005,7005/T:

Application for non-pressing water.

Curaflex® 7006,7006/T:

Application for pressing water.

Curaflex® 7005/T or 7006/T:

Application for retrofitting for already laid pipe/ cable (divided version).

### Please note

- To seal the annulus between pipe/cable and lining pipes you need a sealing element.  
We recommend the installation of a Curaflex® sealing insert. If the line has already been laid, the steel casing must be positioned and fixed centrally around the line before dowelling.
- If the pipe/cable is not centric to the steel casing tube, after consultation with DOYMA, a special construction may be necessary. If a casing pipe is already in the wall, it must be flush with the wall.
- Additional accessories are required to seal a split casing pipe of the above mentioned Types:  
Sika Adhesion Cleaner-1, Sika Primer-3N, Sikaflex -11 FC+.  
In case of mounting with a thick coating, you will need a hollow punch (not included in the scope of delivery).

### Scope of delivery:

- Curaflex® Outer casing pipe (when using thick coating in a sanded version)
- with sanded Curaflex® casing pipe additionally glass silk fabric, spacer disc, rubber seal
- Fixing material for fixing the casing pipe
- Installation instructions

### Accessories (optional)

Additive layers (Curaflex® 1775)

Sika Adhesion Cleaner-1 (Curaflex® 1754)

Sika Primer-3 N Primer (Curaflex® 1755)

Sikaflex-11 FC+ (Curaflex® 1756)

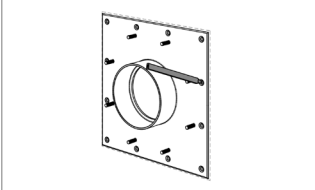
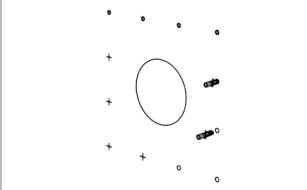
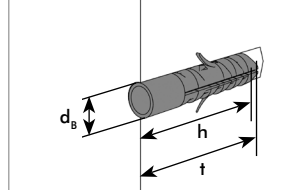
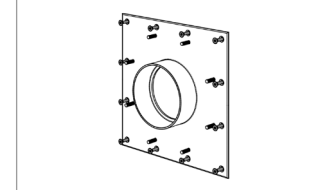
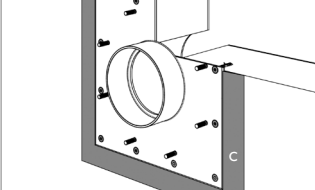
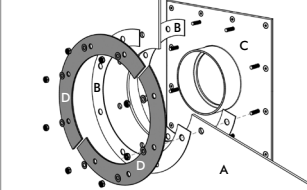
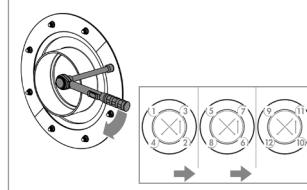
### Installation conditions

The wall must be clean, level, dust-free, dry and free of scrape marks and chipping. The steel casing pipe must be clean, free of dust and grease. The diameter of the core drilling/wall casing pipe must be smaller than the diameter of the pipe socket of the steel chuck pipe. As a rule, distances for flange constructions according to DIN 18195/DIN 18533 must be arranged as follows: Flange outer edge to outer edge of flange or to other components, e.g. building edges and grooves, wall connections, at least 150 mm for non-pressing water and at least 300 mm for 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 pressing water, unless a larger distance is required for processing reasons.

- Curaflex® 7005
- Curaflex® 7005/T
- Curaflex® 7006
- Curaflex® 7006/T

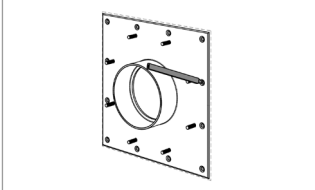
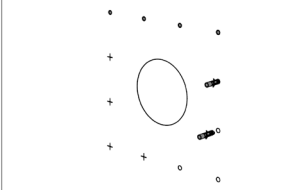
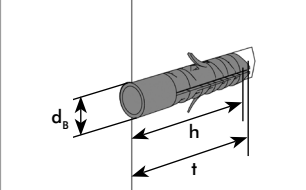
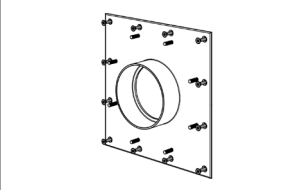
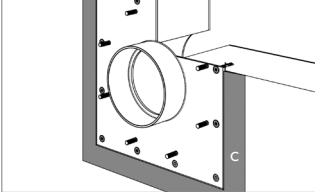
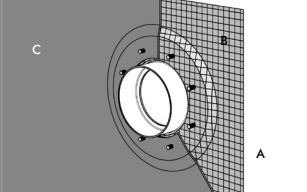
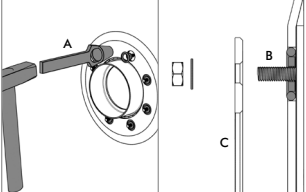
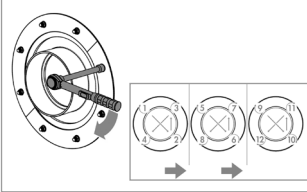
## Installation steps

### Curaflex® 7005, 7006 with sealing membranes/additive layers

<p><b>1</b></p>  <p>Position the casing pipe on the wall and mark dowel holes. <b>Important: If the pipeline has already been laid, it is essential to position the casing pipe centrally to the pipeline!</b></p>	<p><b>2a</b></p>  <p>Drill the dowel holes and insert the dowels.</p>	<p><b>2b</b></p>  <p>Minimum drill hole depth <math>t \geq 70</math> mm Dowel length <math>h = 50</math> mm Drilling/hole diameter <math>dB = 10</math> mm</p>	<p><b>3</b></p>  <p>Mount the casing pipe to the wall, insert screws and tighten.</p>
<p><b>4</b></p>  <p>Compensation of the transition from the fixed flange to the wall with mortar (C).</p>	<p><b>5</b></p>  <p>Cut the sealing membrane (A) and possibly the necessary additive layers* (B) for loosely laid membranes according to the manufacturer's specifications (use loose flange as template). Position the additive layers and sealing membrane on the fixed flange (C). When cutting the sealing membrane, make sure that its surface is not damaged. The holes for the bolts must be drilled with a hollow punch (M12 = 16 mm, M20 = 24 mm). Fit both halves of the loose flange (D) with the chamfer in the direction of the additive/sealing membrane, fit washers and nuts.</p> <p><b>Important: The sealing membrane may not show any kinks, folds, joints, joints or similar in the area of the fixed and loose flange.</b></p> <p>* Elastomeric additive layers (according to DIN 18195/DIN 18533) for plastic sealing membranes are available as accessories.</p>	<p><b>6</b></p>  <p>Repeatedly tighten nuts crosswise alternately. Torques see table (extract from DIN 18195/DIN 18533 or according to the specifications of the track manufacturers).</p>	

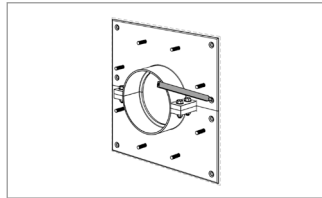
- Curaflex® 7005
- Curaflex® 7005/T
- Curaflex® 7006
- Curaflex® 7006/T

**Curaflex® 7005, 7006 with thick coating**

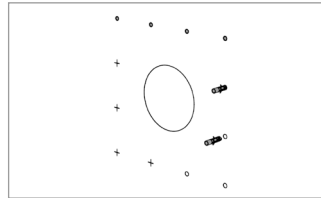
<p><b>1</b></p>  <p>Position the casing pipe on the wall and mark dowel holes. <b>Important: If the pipeline has already been laid, it is essential to position the casing pipe centrally to the pipeline!</b></p>	<p><b>2a</b></p>  <p>Drill the dowel holes and insert the dowels.</p>	<p><b>2b</b></p>  <p>Minimum drill hole depth <math>t \geq 70</math> mm Dowel length <math>h = 50</math> mm Drilling/hole diameter <math>d_B = 10</math> mm</p>	<p><b>3</b></p>  <p>Mount the casing pipe to the wall, insert screws and tighten.</p>
<p><b>4</b></p>  <p>Compensation of the transition from the fixed flange to the wall with mortar (C).</p>	<p><b>5</b></p>  <p>Apply the first coat of KMB Thick Coating (A) to the surface to be sealed and to the sanded fixed flange (KMB = plastic-modified thick coatings). Observe the guidelines for processing KMB. Insert the fleece/reinforcement insert (B) and press lightly into the thick coating. Apply the second coat of KMB (C).</p>	<p><b>6</b></p>  <p>KMB after drying, punch out centrally around the bolts by means of a hollow punch (A) (<math>\varnothing 40</math> mm for M12, <math>\varnothing 55</math> mm for M20). Insert spacers and O-rings (B). Fit both halves of the loose flange (C) with the chamfer or sanded surface in the direction of KMB, fit washers and nuts.</p>	<p><b>7</b></p>  <p>Tighten nuts several times crosswise. For torques see table, rear side (extract from DIN 18195/DIN 18533 or according to specifications of the track manufacturers).</p>

- Curaflex® 7005
- Curaflex® 7005/T
- Curaflex® 7006
- Curaflex® 7006/T

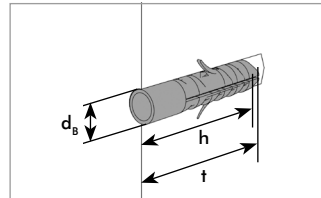
**Curaflex® 7005/T, 7006/T with sealing membrane/additive layers**



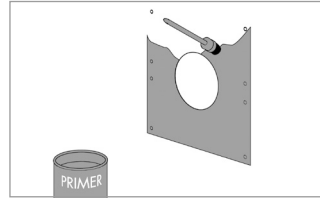
Position the divided casing pipe mounted together on the wall and mark the dowel holes.  
**Important: If the pipeline has already been laid, it is essential to position the casing pipe centrally to the pipeline!**



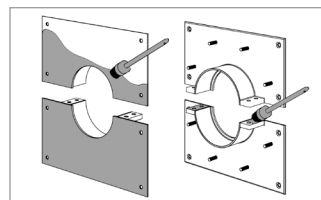
Drill the dowel holes and insert the dowels.



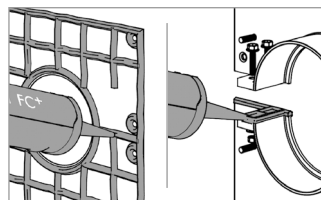
Minimum drill hole depth  $t \geq 70$  mm  
Dowel length  $h = 50$  mm  
Drilling/hole diameter  $dB = 10$  mm



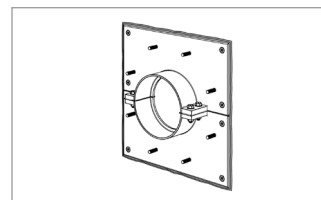
Apply Sika Primer-3N to the wall in the area of the casing pipe using a brush.



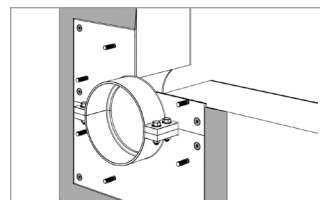
Apply Sika Adhesion Cleaner 1 on the back of the fixed flange (against the sleeve) and on the dividing plates using a brush or cloth.



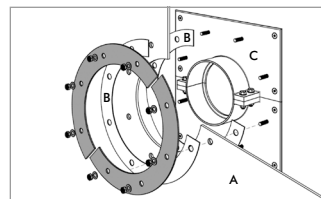
Apply the SikaFlex-11 FC+ sealing adhesive (HDK) to the wall. Apply HDK in the area of the steel casing pipe to the wall and the dividing plates in a spider-web fashion. Screw the steel casing pipe halves together with mounting set. A prerequisite for a permanent sealing is the continuous webbing of the HDK.



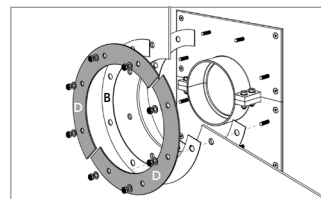
Mount the casing pipe to the wall, insert screws and tighten.  
**Note: To check the correct assembly, sealant should swell out of all holes of the plate and all around inside and outside when tightening the screws.**



Compensation of the transition from the fixed flange to the wall with mortar (C).

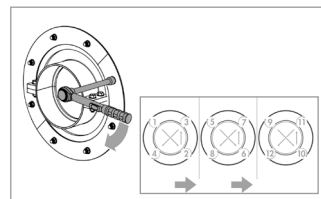


Cut the sealing membrane (A) and possibly the necessary additive layers\* (B) for loosely laid membranes according to the manufacturer's specifications (use loose flange as template). Position the additive layers and sealing membrane on the fixed flange (C). When cutting the sealing membrane, make sure that its surface is not damaged. The holes for the bolts must be drilled with a hollow punch (M12 = 16 mm, M20 = 24 mm).



Fit both halves of the loose flange (D) with the chamfer in the direction of the additive/sealing membrane, fit washers and nuts.  
**Important: The sealing membrane may not show any kinks, folds, joints, joints or similar in the area of the fixed and loose flange.**

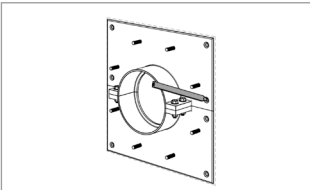
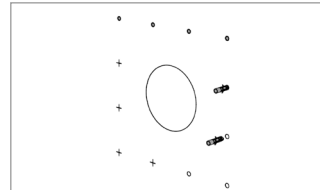
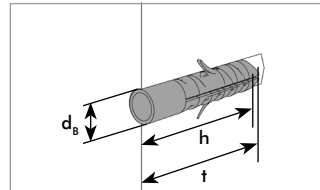
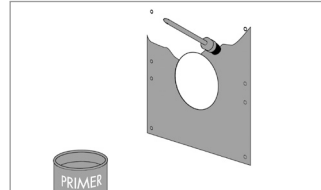
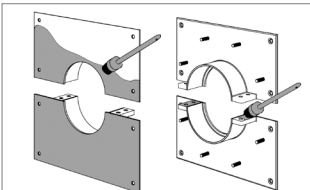
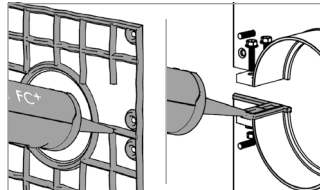
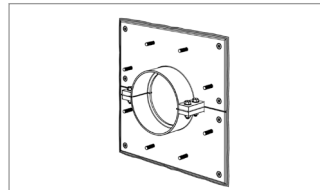
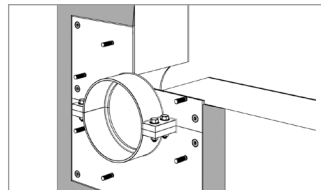
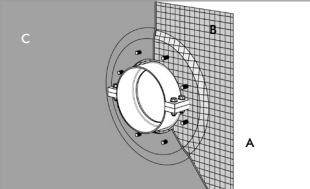
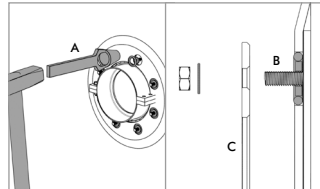
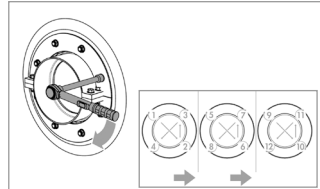
\* Elastomeric additive layers (according to DIN 18195/DIN 18533) for plastic sealing membranes are available as accessories.



Repeatedly tighten nuts crosswise alternately. Torques see table (extract from DIN 18195/ DIN 18533 or according to the specifications of the track manufacturers).

- Curaflex® 7005
- Curaflex® 7005/T
- Curaflex® 7006
- Curaflex® 7006/T

**Curaflex® 7005/T, 7006/T with sealing membrane**

<p><b>1</b></p>  <p>Position the divided casing pipe mounted together on the wall and mark the dowel holes. <b>Important: If the pipeline has already been laid, it is essential to position the casing pipe centrally to the pipeline!</b></p>	<p><b>2a</b></p>  <p>Drill the dowel holes and insert the dowels.</p>	<p><b>2b</b></p>  <p>Minimum drill hole depth <math>t \geq 70</math> mm Dowel length <math>h = 50</math> mm Drilling/hole diameter <math>d_B = 10</math> mm</p>	<p><b>3</b></p>  <p>Apply Sika Primer-3N to the wall in the area of the casing pipe using a brush.</p>
<p><b>4</b></p>  <p>Apply Sika Adhesion Cleaner 1 on the back of the fixed flange (against the sleeve) and on the dividing plates using a brush or cloth.</p>	<p><b>5</b></p>  <p>Apply the Sikaflex-11 FC+ sealing adhesive (HDK) to the wall. Apply HDK in the area of the steel casing pipe to the wall and the dividing plates in a spider-web fashion. Screw the steel casing pipe halves together with mounting set. A prerequisite for a permanent sealing is the continuous webbing of the HDK.</p>	<p><b>6</b></p>  <p>Mount the casing pipe to the wall, insert screws and tighten. <b>Note: To check the correct assembly, sealant should swell out of all holes of the plate and all around inside and outside when tightening the screws.</b></p>	<p><b>7</b></p>  <p>Compensation of the transition from the fixed flange to the wall with mortar (C).</p>
<p><b>8</b></p>  <p>Apply the first coat of KMB Thick Coating (A) to the surface to be sealed and to the sanded fixed flange (KMB = plastic-modified bitumen thick coatings). Thereby, observe the guidelines for the KMB processing. Insert the fleece/reinforcement insert (B) and press it lightly into the thick coating. Apply the second coat of KMB (C).</p>	<p><b>9</b></p>  <p>After drying, punch out KMB using a hollow punch (A) centrally around the bolts (<math>\varnothing 40</math> mm for M12, <math>\varnothing 55</math> mm for M20). Insert spacers and O-rings (B). Fit both halves of the loose flange (C) with the chamfer or sanded surface in the direction of KMB, fit washers and nuts.</p>	<p><b>10</b></p>  <p>Repeatedly tighten nuts crosswise alternately. For the torques, see table (excerpt from DIN 18195/DIN 18533 or according to the manufacturer's instructions of the thick coating).</p>	

- Curaflex® 7005
- Curaflex® 7005/T
- Curaflex® 7006
- Curaflex® 7006/T

**Torque reference values of the track manufacturers  
or DIN 18195/DIN 18533 for clamping the loose flanges**

Type of sealing membrane or thick coating	Torques for M 12 (Nm)	Torques for M 20 (Nm)
When using DOYMA additive layers Curaflex®1775 for sealing membranes	30	80
For KMB (plastic modified thick coatings) in connection with DOYMA accessories Curaflex®1776	30	100
Bare bitumen membranes according to DIN 52129-R 500	12*	50*
PIB according to DIN 18533-2:2017-06, table 3 line 2	12*	50*
Bitumen and polymer bitumen membranes according to DIN 18533-2:2017-06, Table 1, with polyester fleece, KTP or copper tape inlay	15*	65*
Bitumen and polymer bitumen membranes according to DIN 18533-2:2017-06, Table 1, with carrier inlay made of glass fabric or KTP	20*	80*
Bare bitumen membrane DIN 52129 - R 500 N + 1 x Cu <sup>c</sup>	20*	1. Tightening: 100* 2. and 3. Tightening: 80*
Bitumen-compatible plastic and elastomer sheets according to DIN 18533-2: 2017-06, Table 3, excluding line 2	20*	80*
Bare bitumen membrane DIN 52129 - R 500 N + 2 x Cu <sup>c</sup>	30*	1. Tightening: 120* 2. Tightening: 100* 3. Tightening: 80*
Plastic or elastomer sheets according to DIN 18533-2: 2015-12, Table 3, loosely laid FLK according to ETAG 005	30*	100*
Elastomer clamp joint tapes - with smooth clamping surface - with ribbed clamping surface with addition of uncured raw rubber, 100 mm wide not older than 90 days	40* -	165* 165*

\* Torques from DIN 18195-9/DIN 18533-1



## INSTALLATION INSTRUCTIONS

### Curaflex® casing pipes with fixed and loose flange

- Curaflex® 7005
- Curaflex® 7005/T
- Curaflex® 7006
- Curaflex® 7006/T

## Optional accessories

### When using very thin or hard sealing membranes



Curaflex® 1775 additive layers  
Additive layers consist of 2 pieces  
3 mm thick EPDM blanks, which are  
matched to the dimensions and bolt hole  
circles of the selected fixed/loose flange  
construction.

### With split version (Curaflex® 7005/T and 7006/T)

Sika Adhesion Cleaner-1  
(Curaflex® 1754)  
Activator and cleaner of metallic sub-  
strates for better adhesion of the Sikaflex-  
11 FC+ sealing compound.

Sika Primer-3 N Primer  
(Curaflex® 1755)  
Priming of concrete to improve the  
adhesion of Sikaflex-11 FC+.

Sikaflex-11 FC+  
(Curaflex® 1756)  
Elastic sealing compound with excellent  
strength values.  
Motion absorption of approx. 10 %.  
Fast setting, permanently elastic. Excel-  
lent resistance to weathering and aging.  
Resistant to aqueous cleaning agents,  
seawater, lime water, weak acids and  
alkalis as well as public sewage.

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](http://www.doyma.de)**

## DOYMA GmbH & Co

SEALING SYSTEMS  
FIRE PROTECTION SYSTEMS

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[www.doyma.de](http://www.doyma.de)  
[info@doyma.de](mailto:info@doyma.de)

25  
years  
guarantee



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