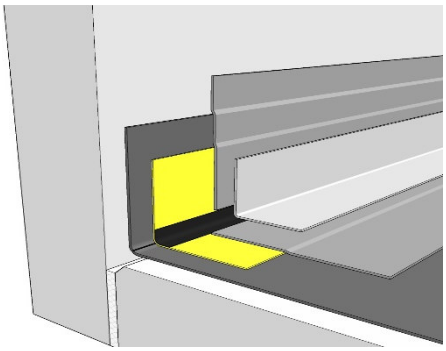
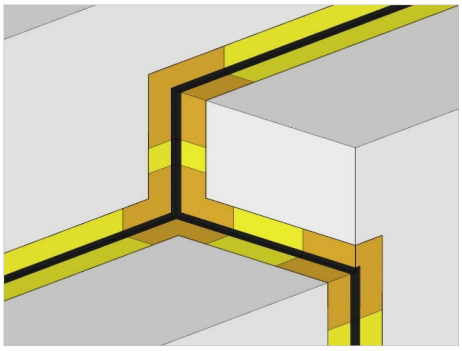
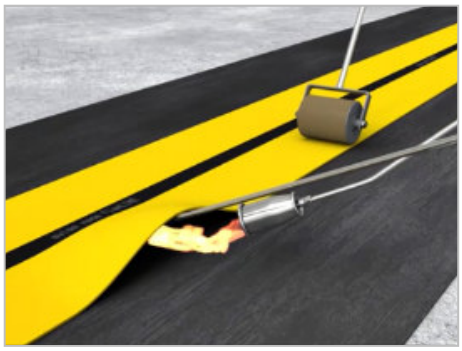
Contents



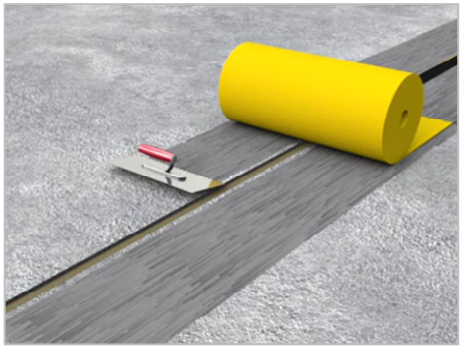
Installation situation



Situation example



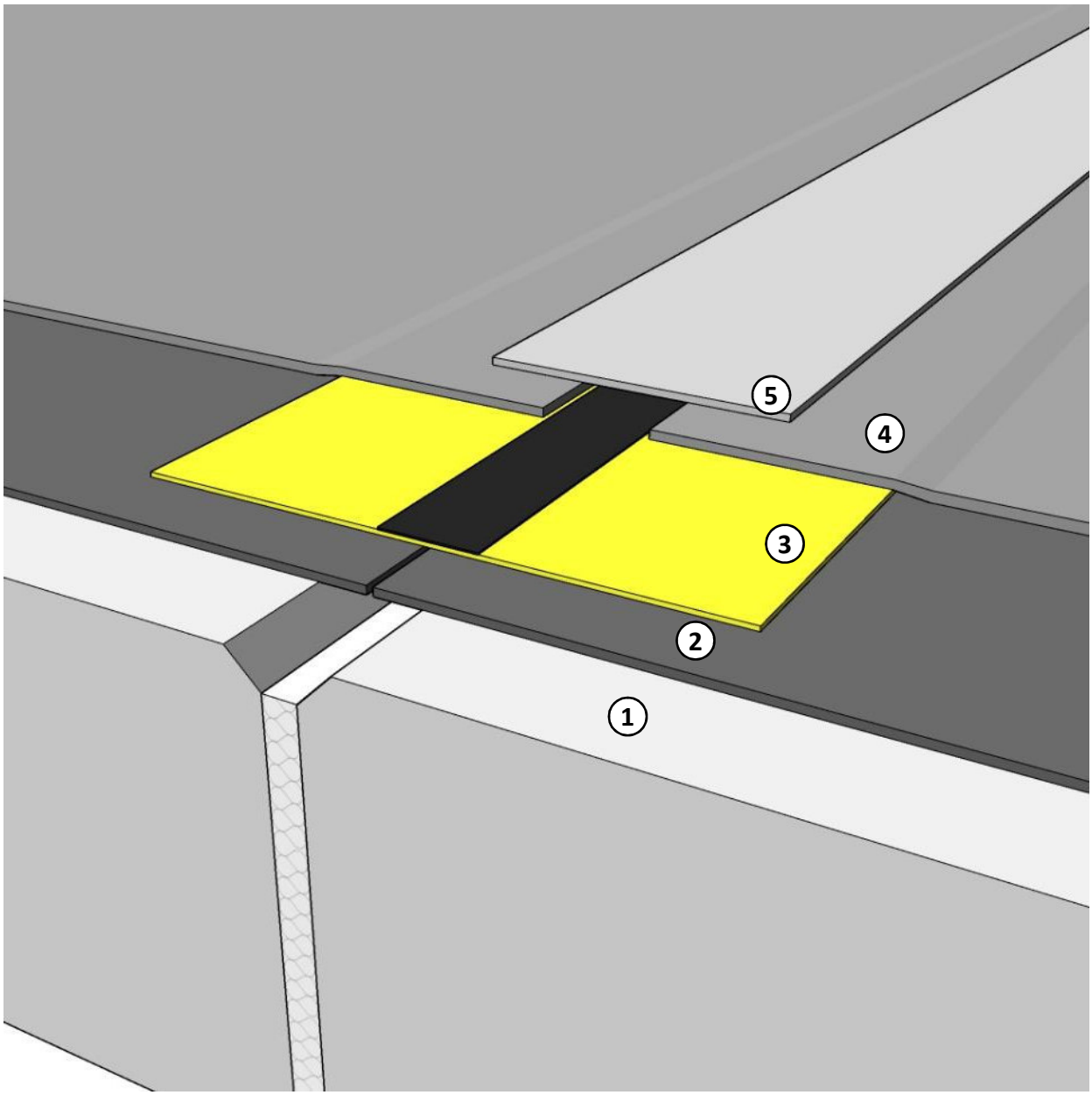
Installation instructions FlamLINE



Installation instructions with epoxy resin adhesive

Bituminous horizontal installation without heat insulation

H 1.1.0

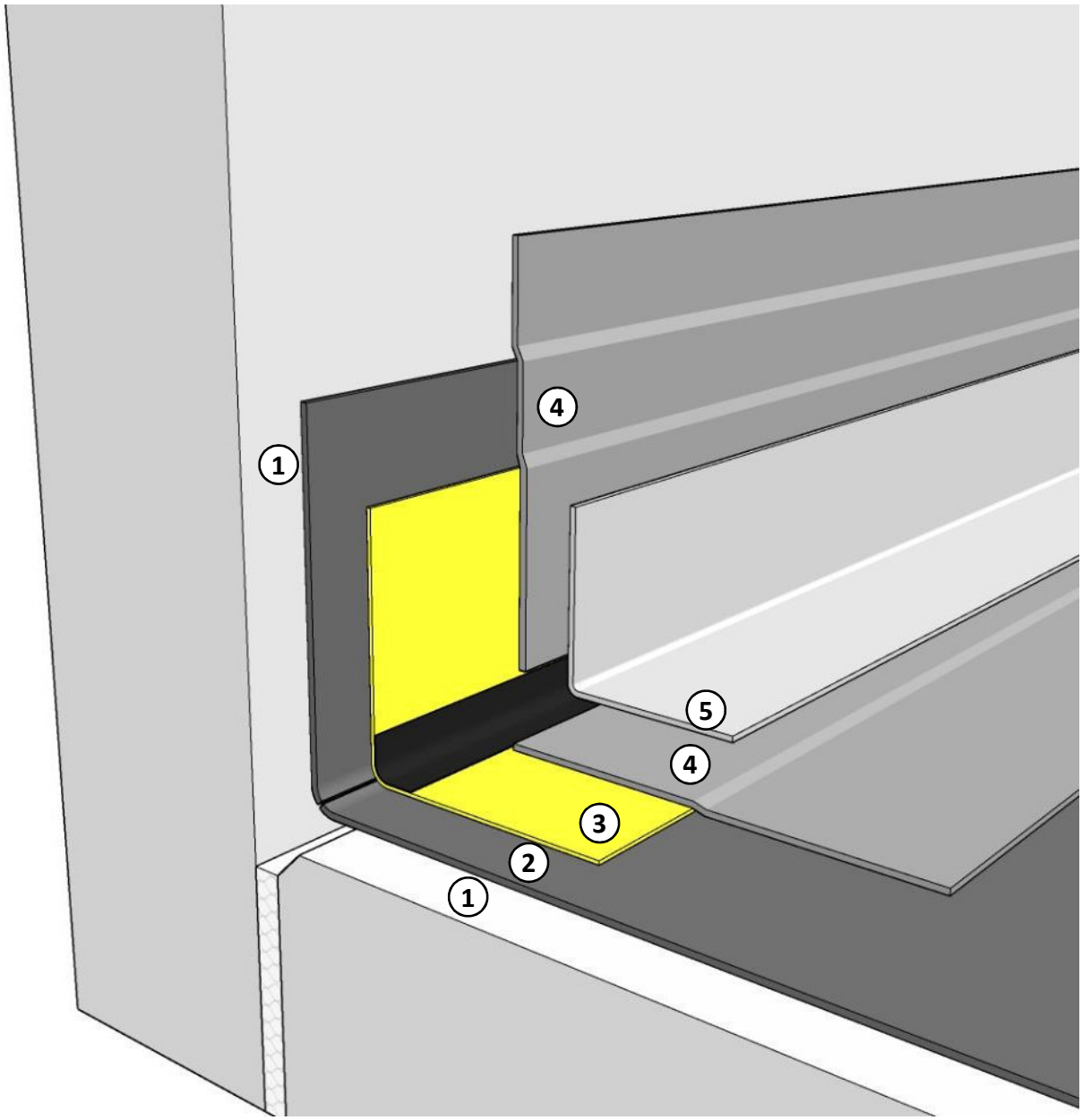


Legende:

1. **Substrate**, pre-treatments of the substrate in accordance with manufacturer's instruction
2. **1. Layer of sealing sheeting**, separated in the joint area
3. **Soba FlamLINE® / Soba RedLINE®**
   → Bituminous flange integration at least 100 mm
   → Flange edge must be integrated
4. **2. Layer of sealing sheeting / additional strips**
5. **Mechanical protection**, point-for-point adhering on one side

Bituminous angled installation without heat insulation

W 1.1.0

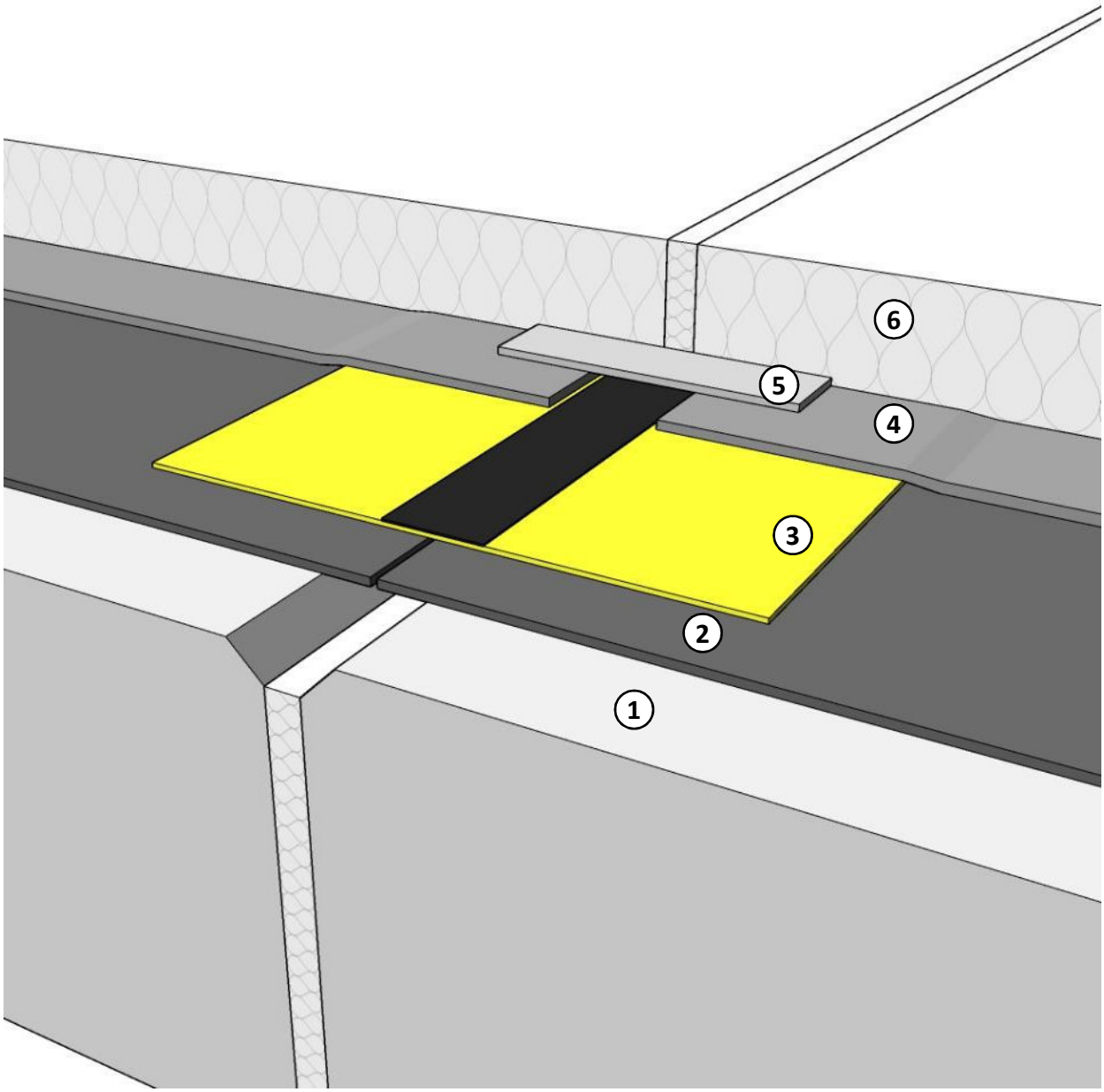


Legende:

1. **Substrate**, pre-treatments of the substrate in accordance with manufacturer's instruction
2. **1. Layer of sealing sheeting**, separated in the joint area
3. **Soba FlamLINE® / Soba RedLINE®**
   → Bituminous flange integration at least 100 mm
   → Flange edge must be integrated
4. **2. Layer of sealing sheeting / additional strips**
5. **Mechanical protection**, point-for-point adhering on one side

Bituminous horizontal installation
Inverted roof

H 1.1.2



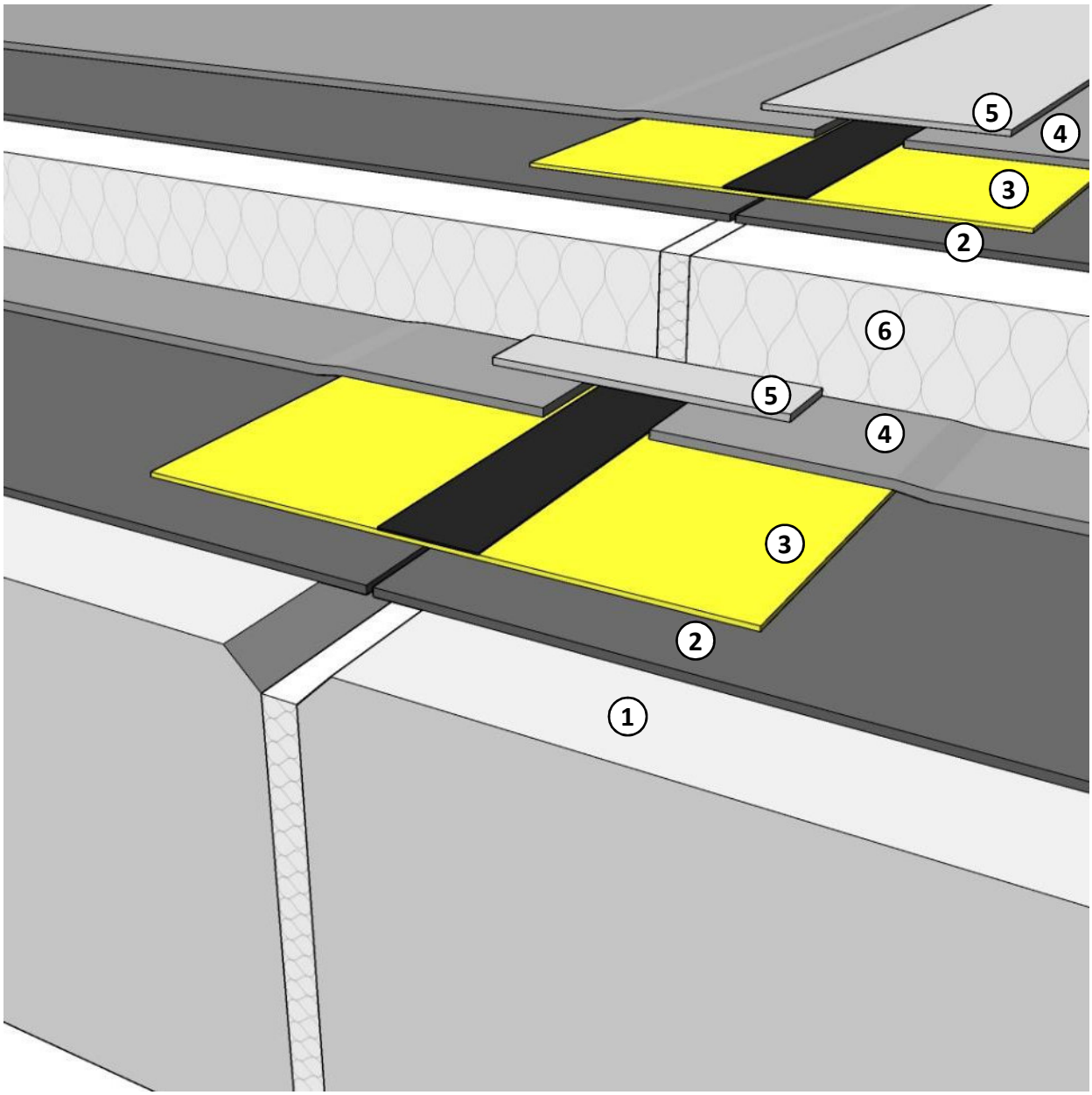
Legende:

1. **Substrate**, pre-treatments of the substrate in accordance with manufacturer's instruction
2. **1. Layer of sealing sheeting**, separated in the joint area
3. **Soba FlamLINE® / Soba RedLINE®**
   → Bituminous flange integration at least 100 mm
   → Flange edge must be integrated
4. **2. Layer of sealing sheeting / additional strips**
5. **Mechanical protection**, point-for-point adhering on one side
6. **Heat insulation with buffer strips**

soba inter

Bituminous horizontal installation with heat insulation

H 1.1.3



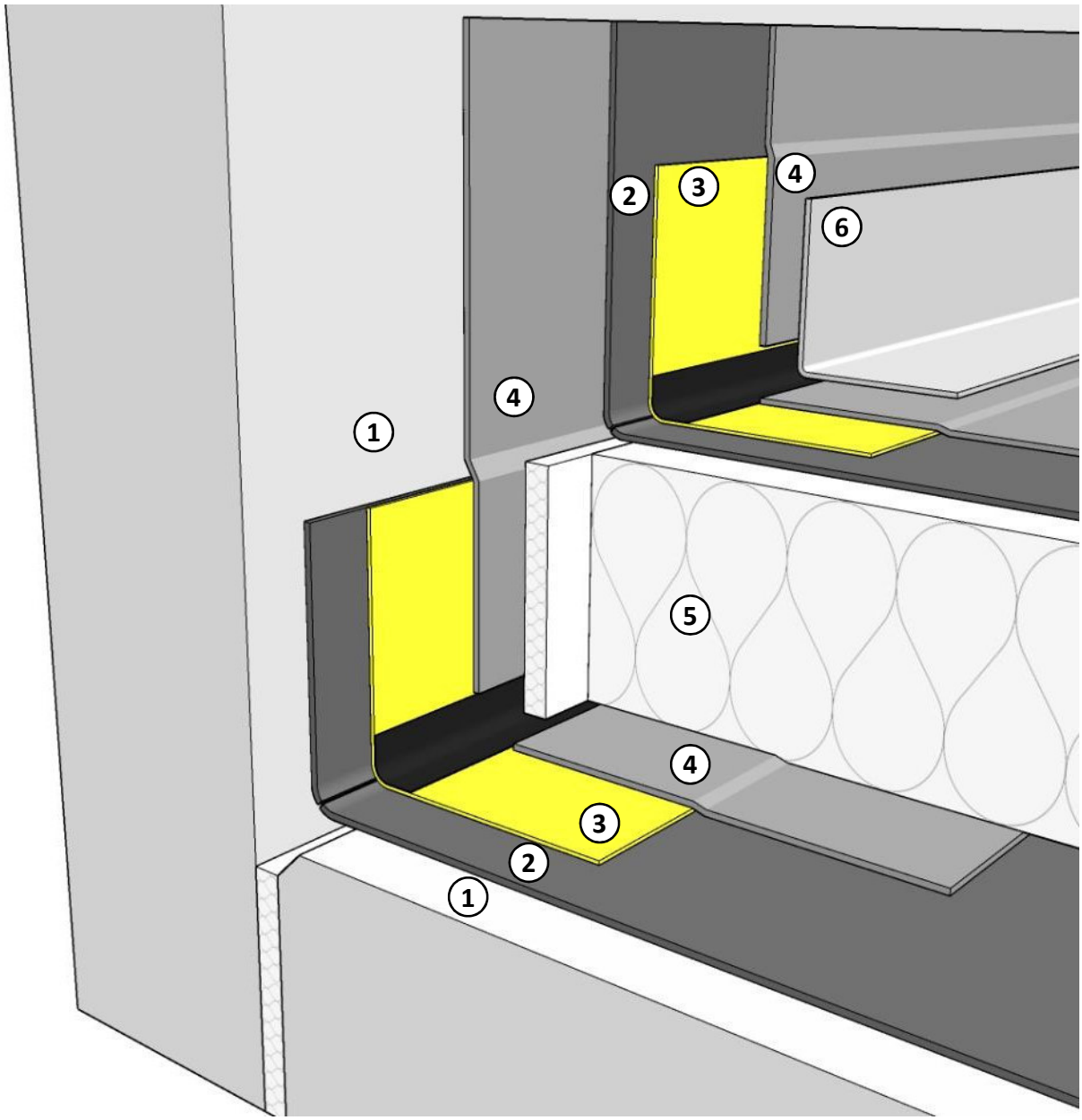
Legende:

1. **Substrate**, pre-treatments of the substrate in accordance with manufacturer's instruction
2. **Vapour barrier / 1 Layer of sealing sheeting**, separated in the joint area
3. **Soba FlamLINE® / Soba RedLINE®**
   → Bituminous flange integration at least 100 mm
   → Flange edge must be integrated
4. **2. Layer of sealing sheeting / additional strips**
5. **Heat insulation with buffer strips**
6. **Mechanical protection**, point-for-point adhering on one side

soba inter

Bituminous angled installation with heat insulation

W 1.1.3

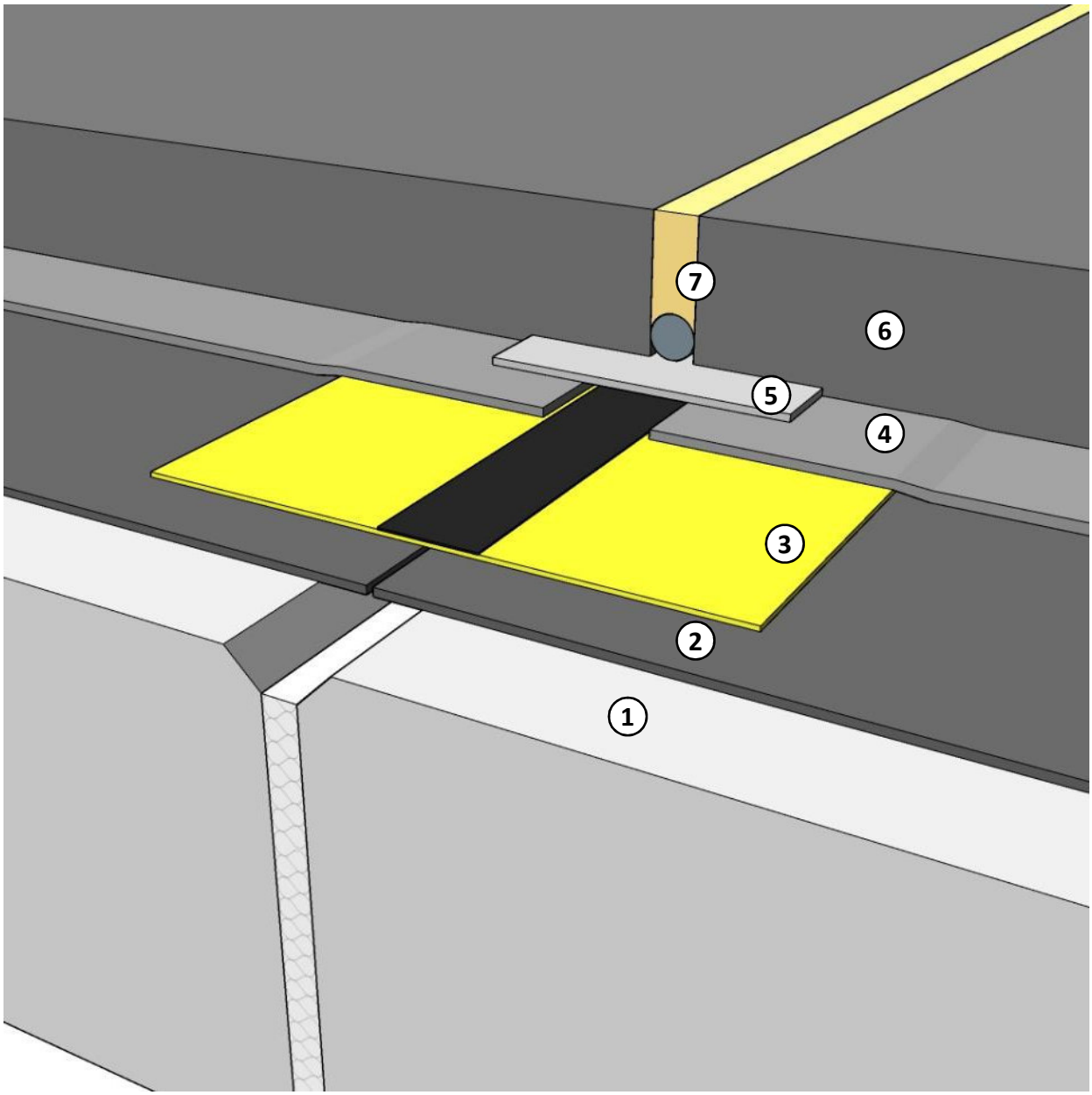


Legende:

1. **Substrate**, pre-treatments of the substrate in accordance with manufacturer's instruction
2. **Vapour barrier / 1 Layer of sealing sheeting**, separated in the joint area
3. **Soba FlamLINE® / Soba RedLINE®**
   → Bituminous flange integration at least 100 mm
   → Flange edge must be integrated
4. **2. Layer of sealing sheeting / additional strips**
5. **Heat insulation with buffer strips**
6. **Mechanical protection**, point-for-point adhering on one side

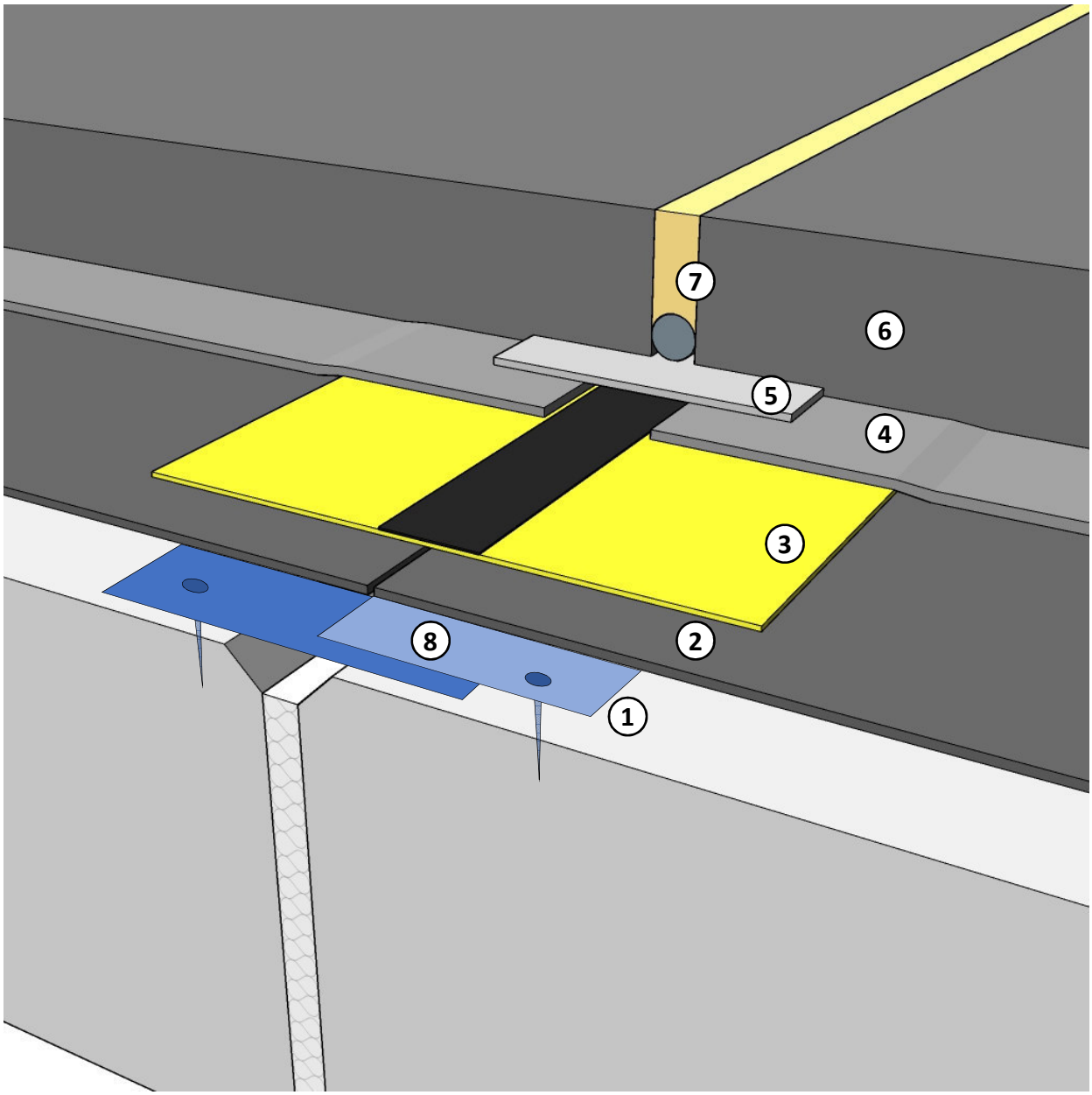
Bituminous horizontal installation, with tarmac (not for heavy traffic)

H 1.1.4



Legende:

1. **Substrate**, pre-treatments of the substrate in accordance with manufacturer's instruction
2. **1. Layer of sealing sheeting**, full-surface welded, separated in the joint area
3. **Soba FlamLINE® / Soba RedLINE®**
   → Bituminous flange integration at least 100 mm
   → Flange edge must be integrated
4. **2. Layer of sealing sheeting / additional strips**
5. **Mechanical protection**
   → Material and thickness depends on the thickness of the coating and the width of the joint.
6. **Tarmac**, 1. Tarmac coat: 25 mm
7. **Joint sealing grouting with round cord**



Legende:

1. **Substrate**, pre-treatments of the substrate in accordance with manufacturer's instruction

2. **1. Layer of sealing sheeting**, full-surface welded, separated in the joint area

3. **Soba FlamLINE® / Soba RedLINE®**
   → Bituminous flange integration at least 100 mm
   → Flange edge must be integrated
   → **Proposal: Structure preservation mat**

4. **2. Layer of sealing sheeting / additional strips**

5. **Mechanical protection**
   → Material and thickness depends on the thickness of the coating and the width of the joint.

6. **Tarmac**, 1. Tarmac coat: 25 mm

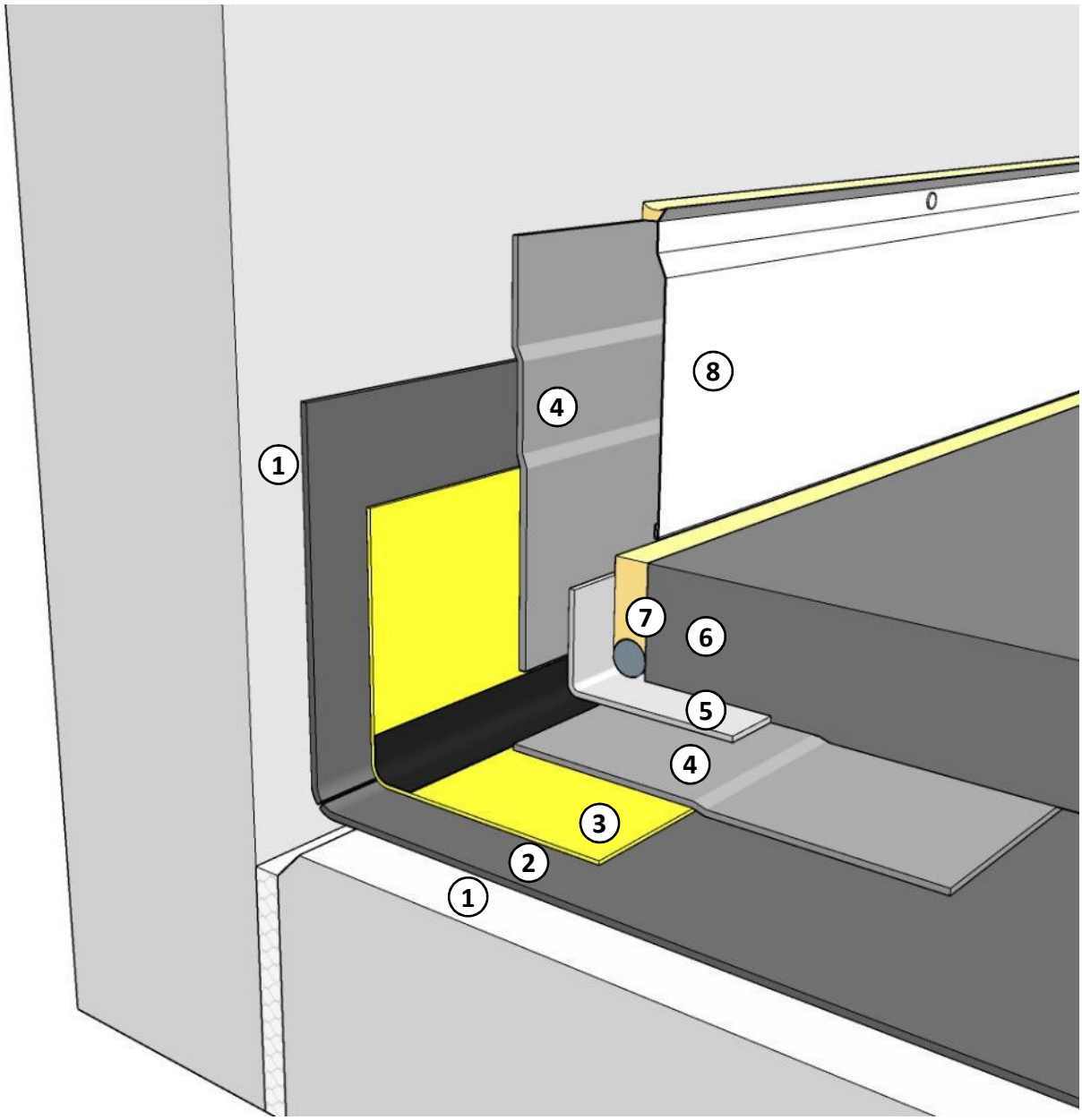
7. **Joint sealing grouting with round cord**

8. **Two-part supporting construction**
   → Materials and thickness are determined by the civil engineer

soba inter

Bituminous angled installation, with tarmac
Wall joint with extended covering strips

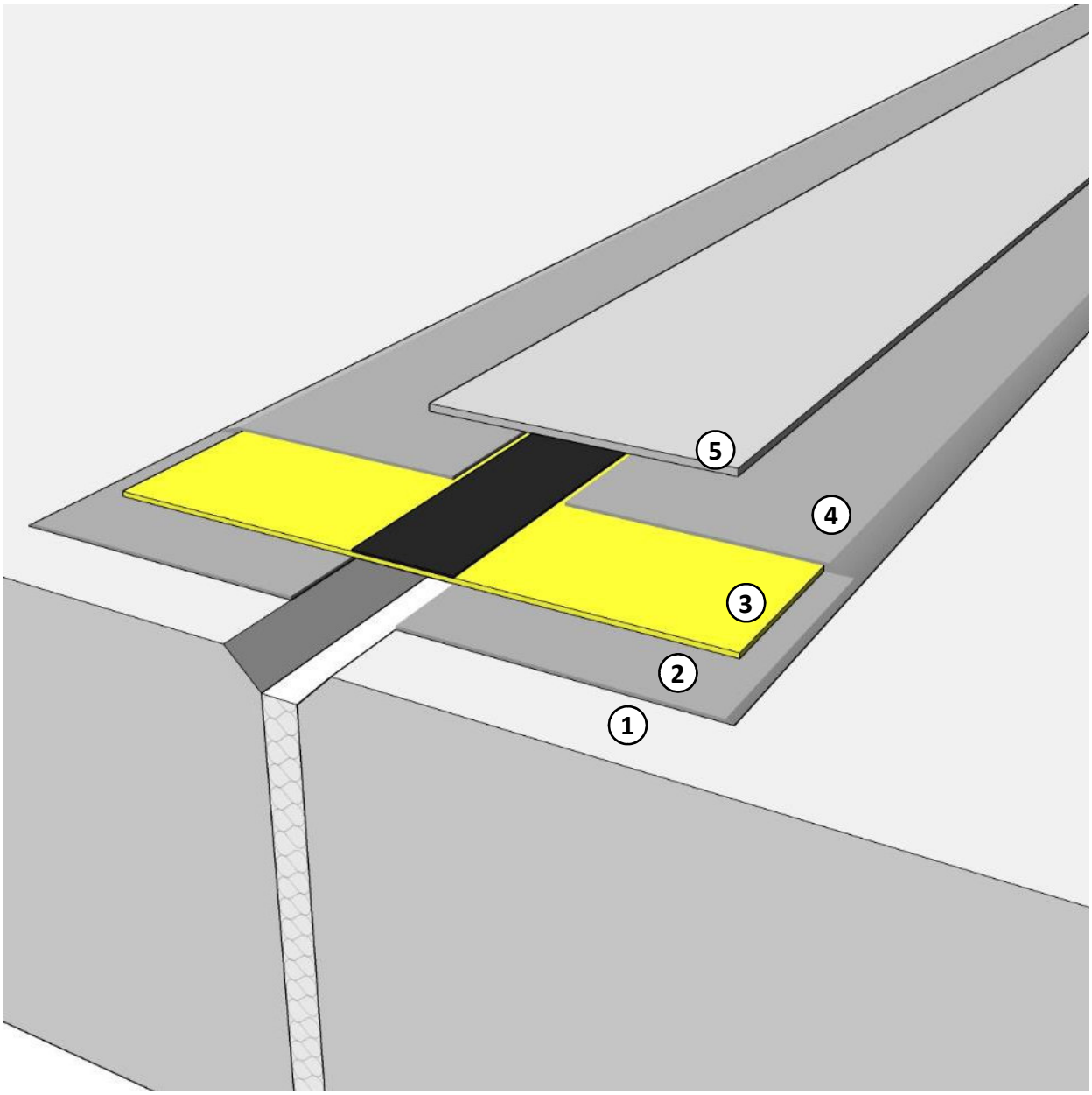
W 1.1.4



Legende:

1. **Substrate**, pre-treatments of the substrate in accordance with manufacturer's instruction
2. **1. Layer of sealing sheeting**, full-surface welded, separated in the joint area
3. **Soba FlamLINE® / Soba RedLINE®**
   → Bituminous flange integration at least 100 mm
   → Flange edge must be integrated
4. **2. Layer of sealing sheeting / additional strips**
5. **Mechanical protection**, point-for-point adhering on one side
6. **Tarmac**, 1. Tarmac coat: 25 mm
7. **Joint sealing grouting with round cord**
8. **Covering strips**

H 2.2.0



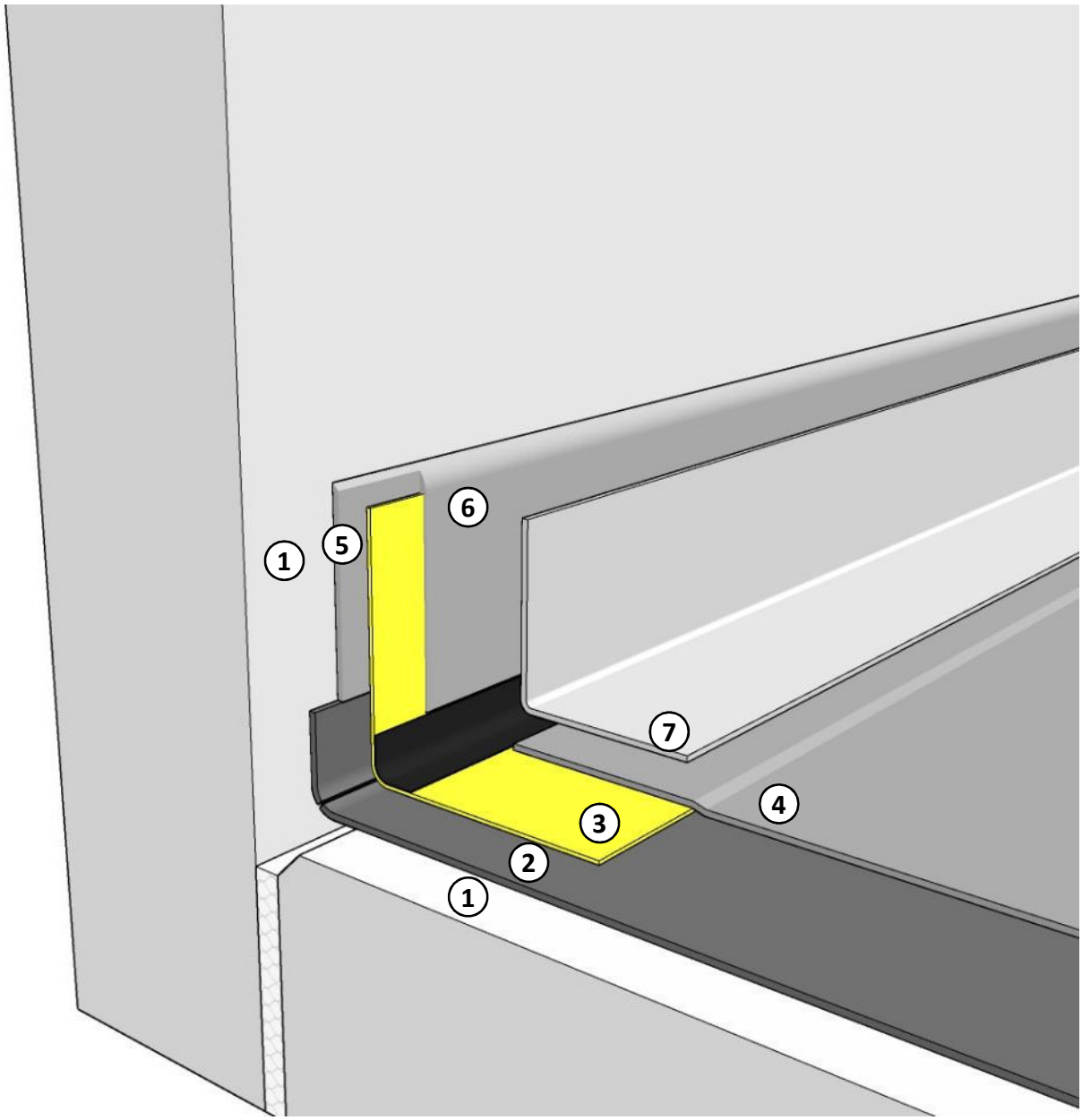
Legende:

1. **Substrate**, pre-treatments of the substrate in accordance with manufacturer's instruction
2. **Epoxy resin adhesive primer coat**
3. **Soba FlamLINE® / Soba RedLINE®**
   → Flange joint in epoxy resin adhesive at least 50 mm
   → Flange edge must be integrated
4. **Epoxy resin adhesive roof coat**
5. **Mechanical protection, point-for-point fixation on one side**

soba inter

Bituminous angled installation
Wall joint with epoxy resin adhesive

W 2.1.0

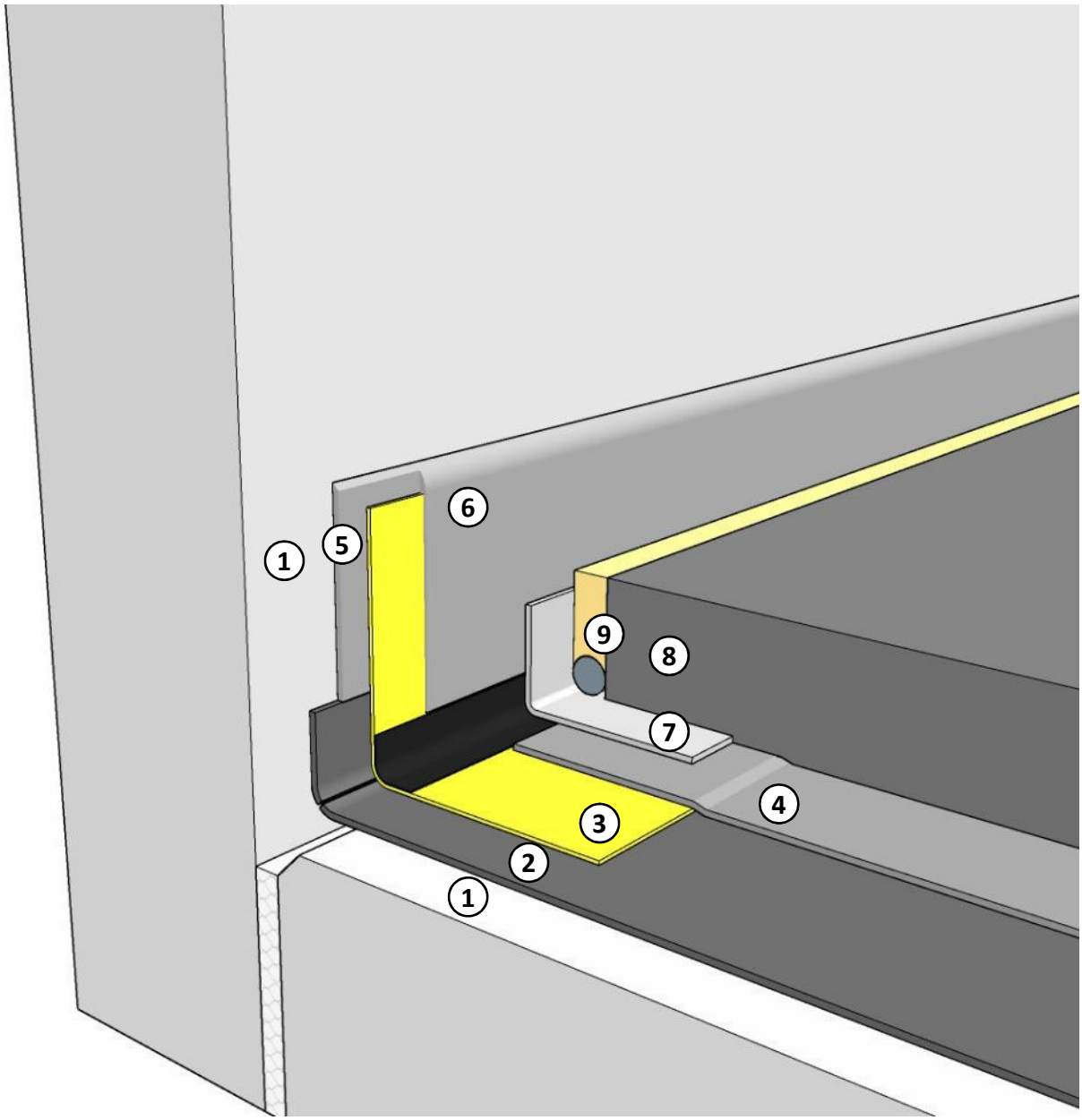


Legende:

1. **Substrate**, pre-treatments of the substrate in accordance with manufacturer's instruction
2. **1. Layer of sealing sheeting**, full-surface welded, separated in the joint area
3. **Soba FlamLINE® / Soba RedLINE®**
   → Bituminous flange integration at least 100 mm
   → Flange joint in epoxy resin adhesive at least 50 mm
   → Flange edge must be integrated
4. **2. Layer of sealing sheeting / additional strips**
5. **Epoxy resin adhesive primer coat**
6. **Epoxy resin adhesive roof coat**
7. **Mechanical protection**, point-for-point adhering on one side

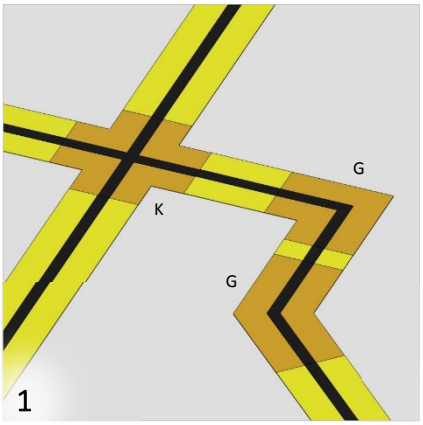
Bituminous angled installation, with tarmac
Wall joint with epoxy resin adhesive

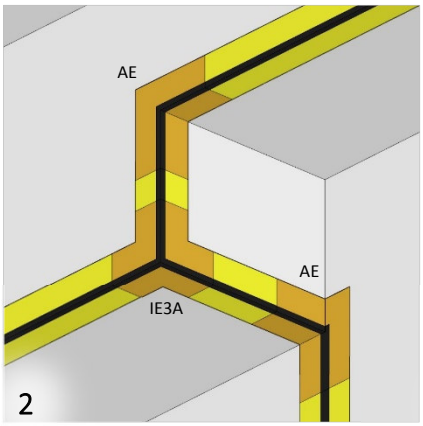
W 2.1.4

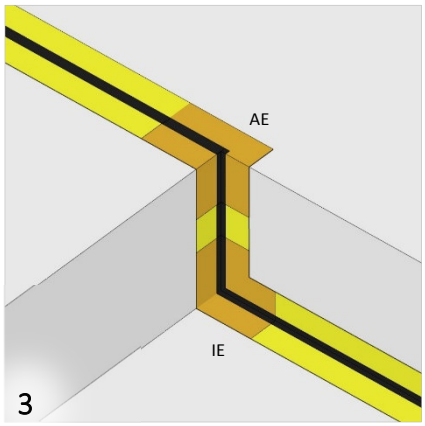


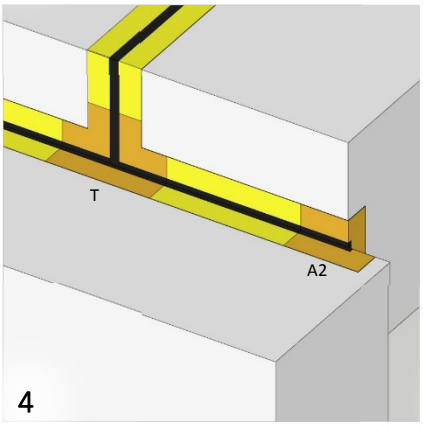
Legende:

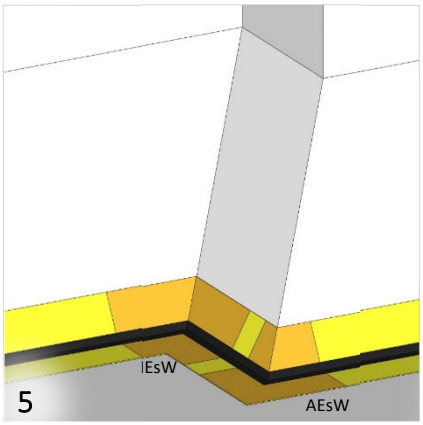
1. **Substrate**, pre-treatments of the substrate in accordance with manufacturer's instruction
2. **1. Layer of sealing sheeting**, full-surface welded, separated in the joint area
3. **Soba FlamLINE® / Soba RedLINE®**
   → Bituminous flange integration at least 100 mm
   → Flange joint in epoxy resin adhesive at least 50 mm
   → Flange edge must be integrated
4. **2. Layer of sealing sheeting / additional strips**
5. **Epoxy resin adhesive primer coat**
6. **Epoxy resin adhesive roof coat**
7. **Mechanical protection**, point-for-point adhering on one side
8. **Tarmac**, 1. Tarmac coat: 25 mm
9. **Joint sealing grouting with round cord**

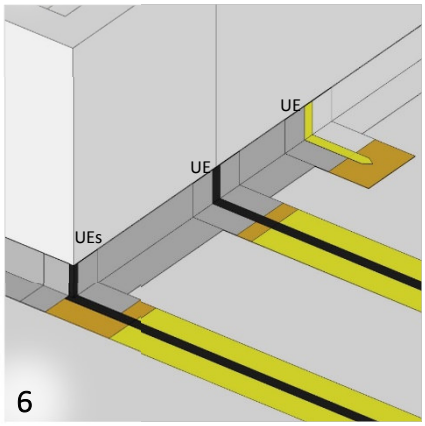


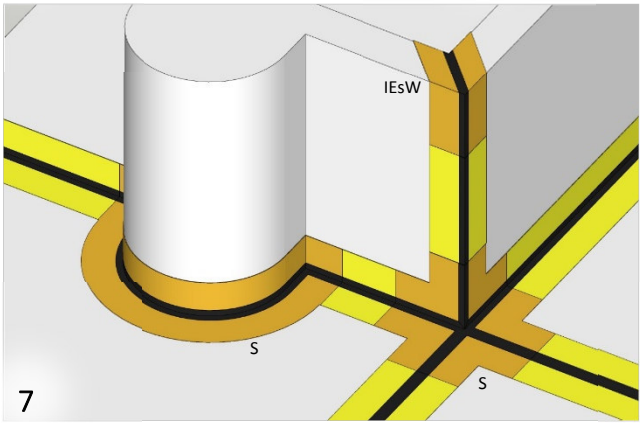


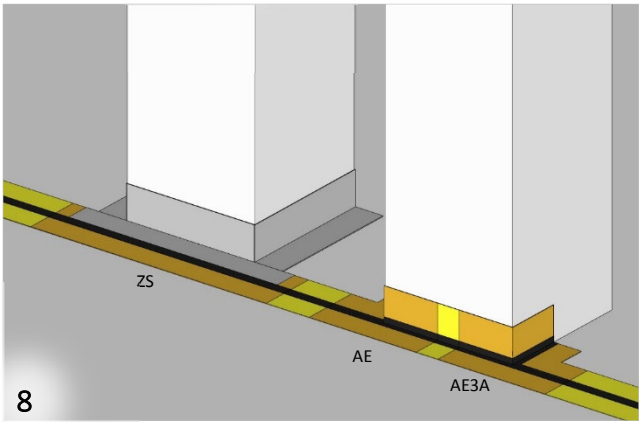








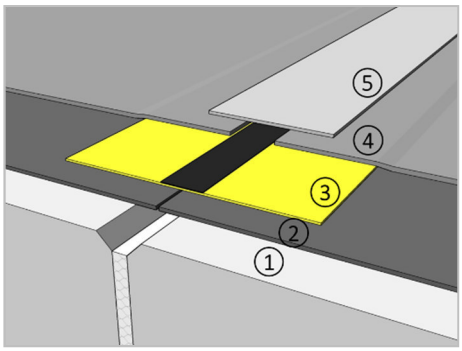




Standard shaped piece

AE	Outside corner piece	**IE**	Inside corner piece	**T**	T-connection
A2	Outside corner piece on acc. Sit. A2	**IEsW**	Inside corner piece, oblique angle	**UE**	Transition piece, stainless steel or tinned copper
AEsW	Outside corner piece, oblique angle	**IE3A**	Inside corner piece, 3-directional	**UEs**	Transition piece, Special piece stainless steel or tinned copper
AE3A	Outside corner piece, 3-directional	**K**	Cross piece	**UE**	Intermediate piece, , stainless steel or tinned copper
G	Flat turn, 1°-179°	**S**	Special shaped piece		

Laying instructions for Soba FlamLINE®



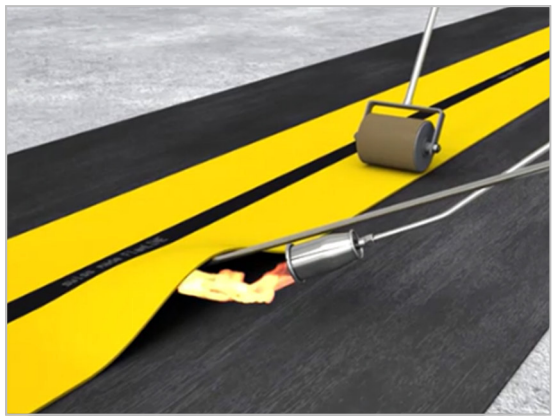
1. Substrate
2. 1. Layer of the sealing sheeting
3. Soba FlamLINE®
4. 2. Layer of sealing sheeting or additional strips
5. Mechanical protection

Important Notes

- Lay the Soba FlamLINE® over the movement joint. Check the length of the strip and the position of the shaped parts.
- The Soba FlamLINE® can be stretched by up to 2 mm per meter.
- The joint strip and the sealing sheeting must be clean and dry before installation.

⇒ **Any possible differences need to be reported to the suppliers prior to installation.**

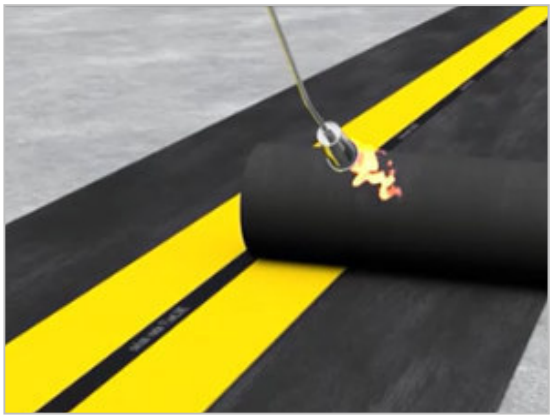
- 1. Separate the sealing sheeting in the joint area.
- Position and adhere the Soba FlamLINE®
  - in the case of changes of direction
  - every 1 to 2 m on straight lines.



- Scorch the Soba FlamLINE® onto the 1st layer of sealing sheeting.

⇒ **Always direct the flames at the sealing sheeting.**

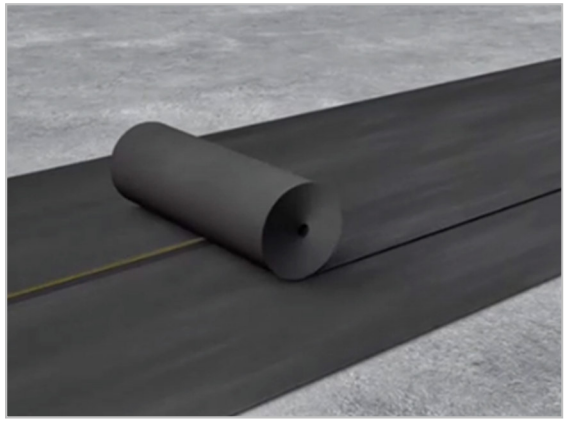
- Use a putty knife or a roller to press on the Soba FlamLINE®.



- 2. Scorch the layer of sealing sheeting or additional strips as far as the edge of the expansion area.

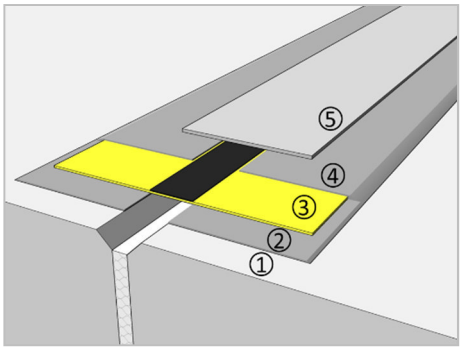
⇒ **Always direct the flames at the sealing sheeting.**

- Use a putty knife or a roller to press on the Soba FlamLINE®.



- Always protect the expansion zone.
- After laying the Soba FlamLINE®, the expansion area must immediately covered with mechanical protection, e.g. sealing sheeting, structure preservation mat.
  Material and thickness are determined by the structure.

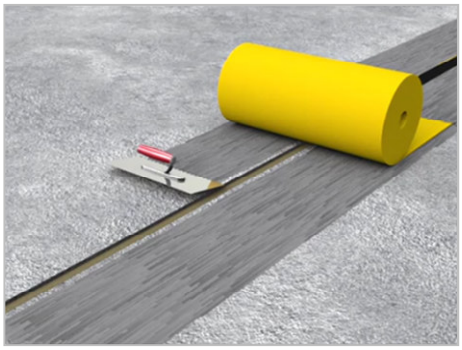
Installation instructions for Soba FlamLINE® and RedLINE® with epoxy resin adhesive



1. Substrate
2. Epoxy resin adhesive/primer coat
3. Soba FlamLINE® / Soba RedLINE®
4. Epoxy resin adhesive roof coat
5. Mechanical protection

Important information in relation to the substrate

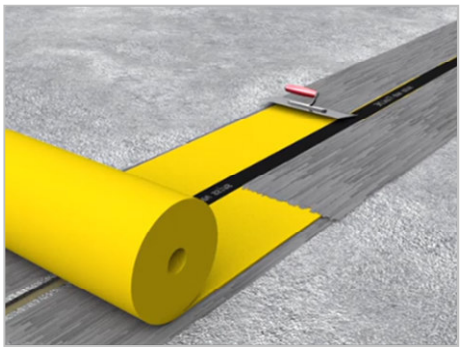
- Concrete must be at least 4 weeks old
- Preparation and surface temperature **+5°C to +30°C**
- Completely remove loose parts, hot spots, as well as cement skin by means of grinding with a diamond disc, with a bush hammer or sandblasting.
- Even out any indentations and damaged/broken joint edges larger than 10 mm prior to applying the epoxy resin adhesive. Covering immediately with quartz sand creates an adhesive bridge.
- Reprofile large indentations and breakage first using special mortar.
- ***Further instructions in relation to the substrate and the treatment of the substrate should be done in accordance with the manufacturer's instructions.***



Application

- Mix the epoxy resin adhesive in accordance with the manufacturer's instructions apply a 2-3 mm thick layer onto the pre-treated substrate.
- Press the Soba FlamLINE® / RedLINE® into the primer coat.

⇒ **Epoxy resin adhesion should not be applied to the underside of the expansion area of FlamLINE® / RedLINE®.**



- Apply an approx. 2 mm covering coat of epoxy resin adhesive.

⇒ **If the cover coat is applied at a later time, all protruding epoxy resin residues from the cover coat need to be removed.**

⇒ **The cover coat then needs to be immediately covered with quartz sand after being applied.**

⇒ **Epoxy resin adhesion should not be applied to the upper-side of the expansion area of FlamLINE® / RedLINE®.**

- Protect the expansion area against immediate mechanical damage. Material and thickness are determined by the structure.