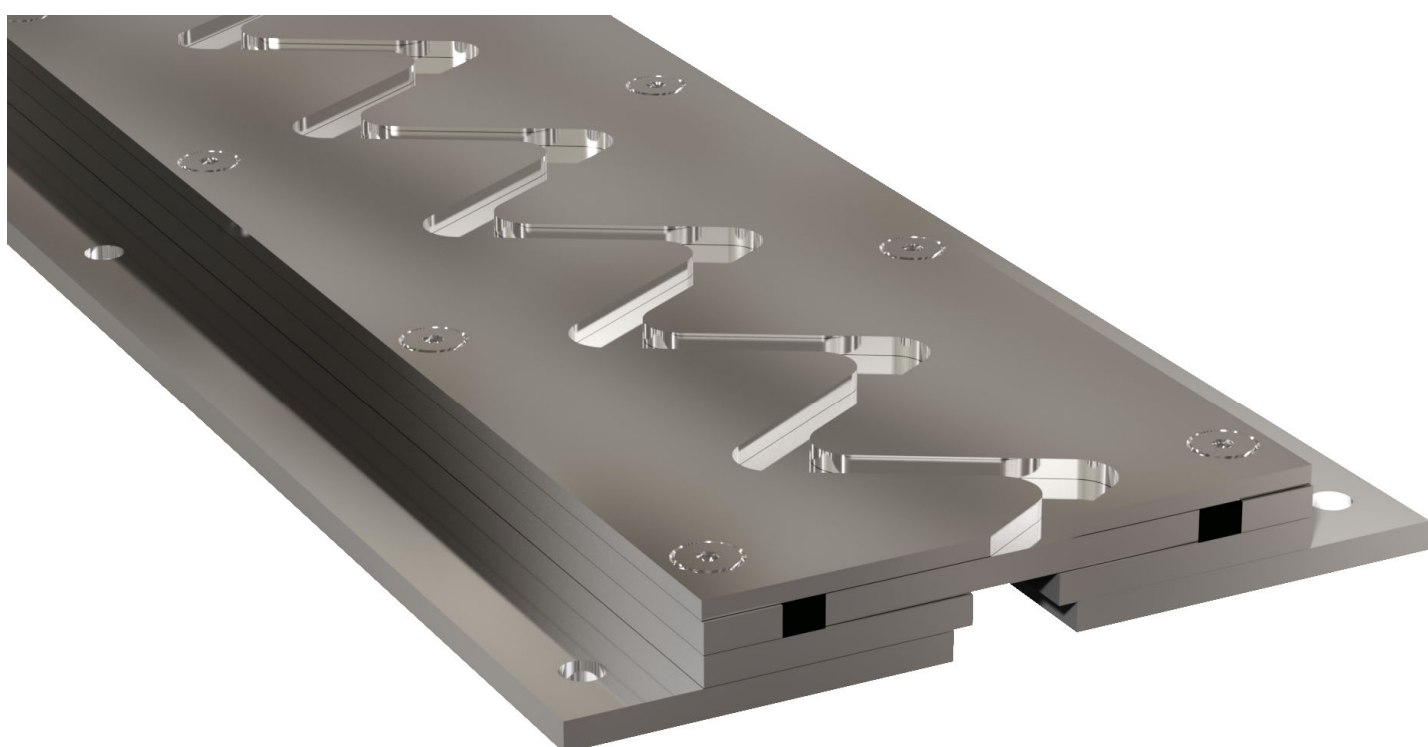


Installation instructions

STS 100/... ES

STS 160/30 (45, 50) ES



Updated: 12.2018

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1. General information

Please check prior to starting installation to make sure that the supplied material is complete and undamaged. Any damages or missing components have to be reported to MIGUA without delay.

Check whether the material and the on-site characteristics correspond to the technical data detailed in the data sheet. Pay particular attention to the existing expansion joint width. It may not be larger than the maximum expansion joint width specified in the technical data of the cover profile.

Check the previous work carried out by other crafts to ensure correct and fault-free execution. Check that the surface is capable of bearing the requested weight and if it is free of cracks, and that the expansion joint edges do not show any ruptures.

The recess should be approx. 100 mm wider as the total width of the expansion joint. Please take this measure from the technical data sheet.

Determine the upper edge of the complete and installed cover with the construction management on site.

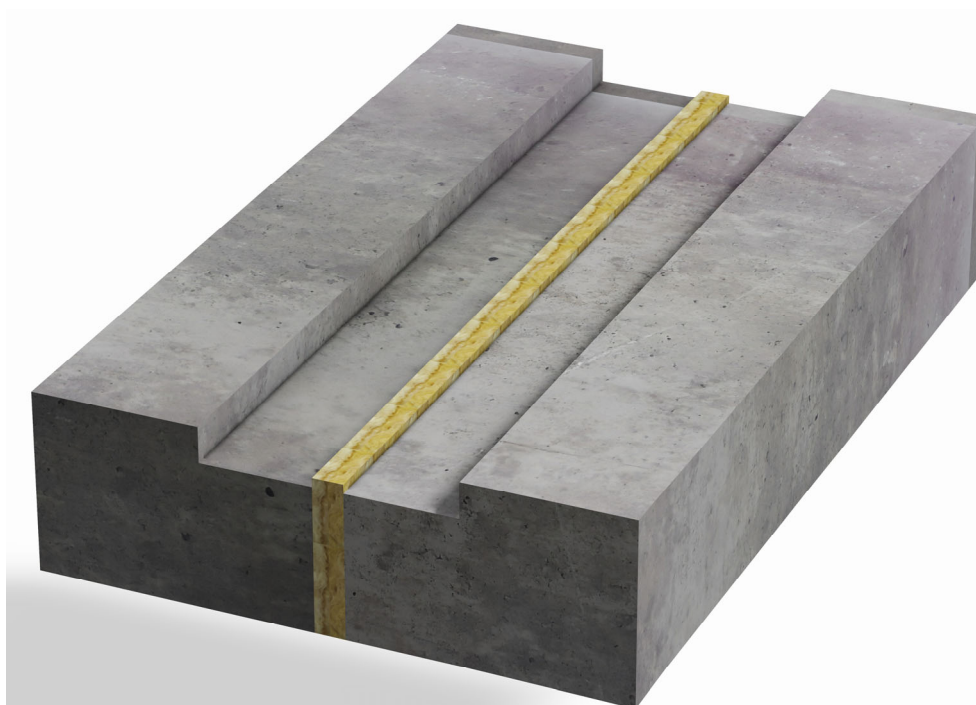
2. Preparation

The concrete surface must be capable of carrying the payload, clean, dry and free of dust. The pressure resistance of the reinforced concrete must be equivalent to at least that of a C20/25 (DIN EN 206-1).

Before starting installation, the cover must be cleaned of any dirt, oils and grease with a cleaning agent / solvent which leaves no residue.

To avoid entering mortar or epoxy layer material into the joint, place a filling plate into the joint, with a little upstand. Lay out the MIGUTRANS cover onto the floor, over the joint, to get familiar with the system and to check correct dimensions. Take care of the positioning plan and the system numbers to ensure an installation at the correct place. The sinus curve is not symmetrical ! A continuous run of the sinus curve has to be ensured. As a support stickers with flashes are labelled on to the adhesive protection tape.

Following keep the profiles stored alongside the joint.

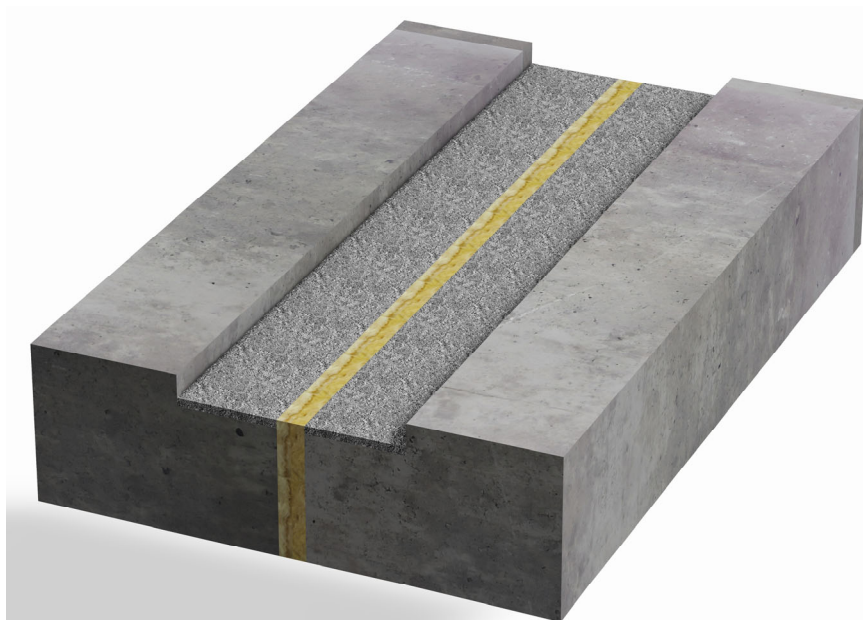


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3. Preparation of levelling mortar

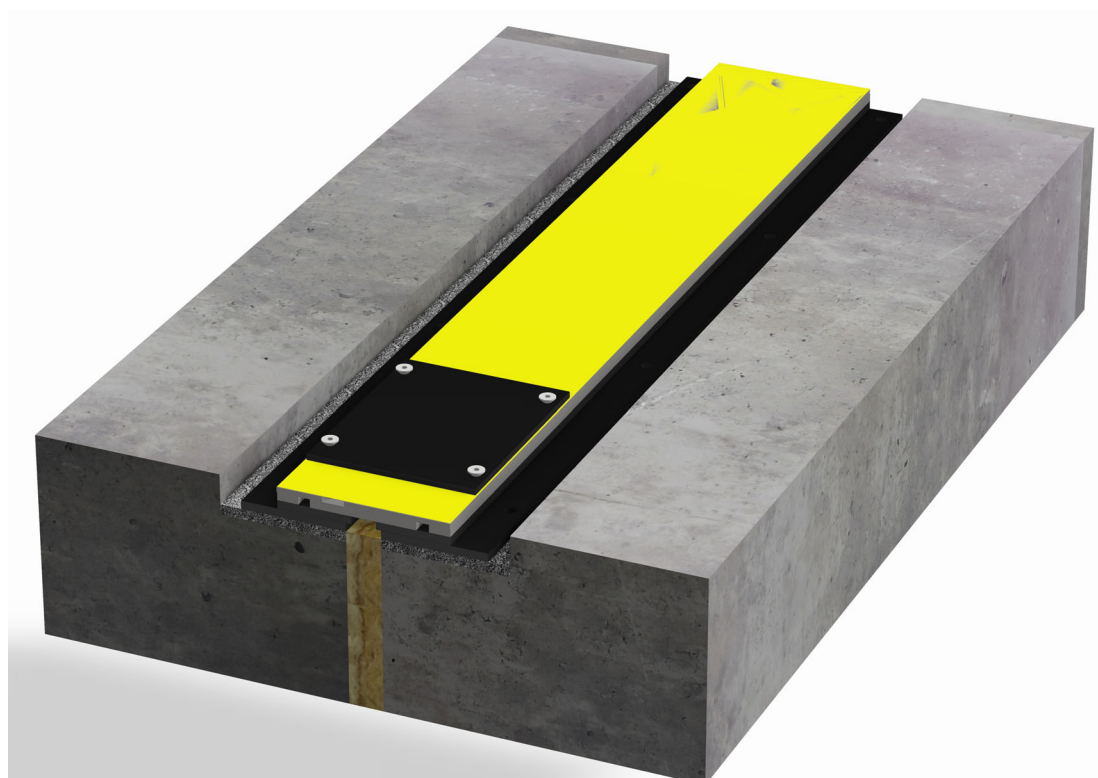
To compensate unevennesses in the sub-base a layer has to be applied on both sides of the joint. The width of the layer has to correspond at least to the width of the profile base.

The use of a high compressive resistant and contraction free PCC or Epoxy mortar or equivalent is mandatory. The choice of mortar has to be made in accordance to the local installation situation. Please regard the processing prescriptions of the manufacturer.



4. Setting of joint covers

If form pieces like T- or cross pieces appear in the system, begin the installation with them. Place profiles into the layer—centred above the joint— whilst still wet and tap gently into place until the desired level is achieved. **It has to be taken care, that the profile angles are fully embedded and that there is no hollow space between ground plate and sub-base.**

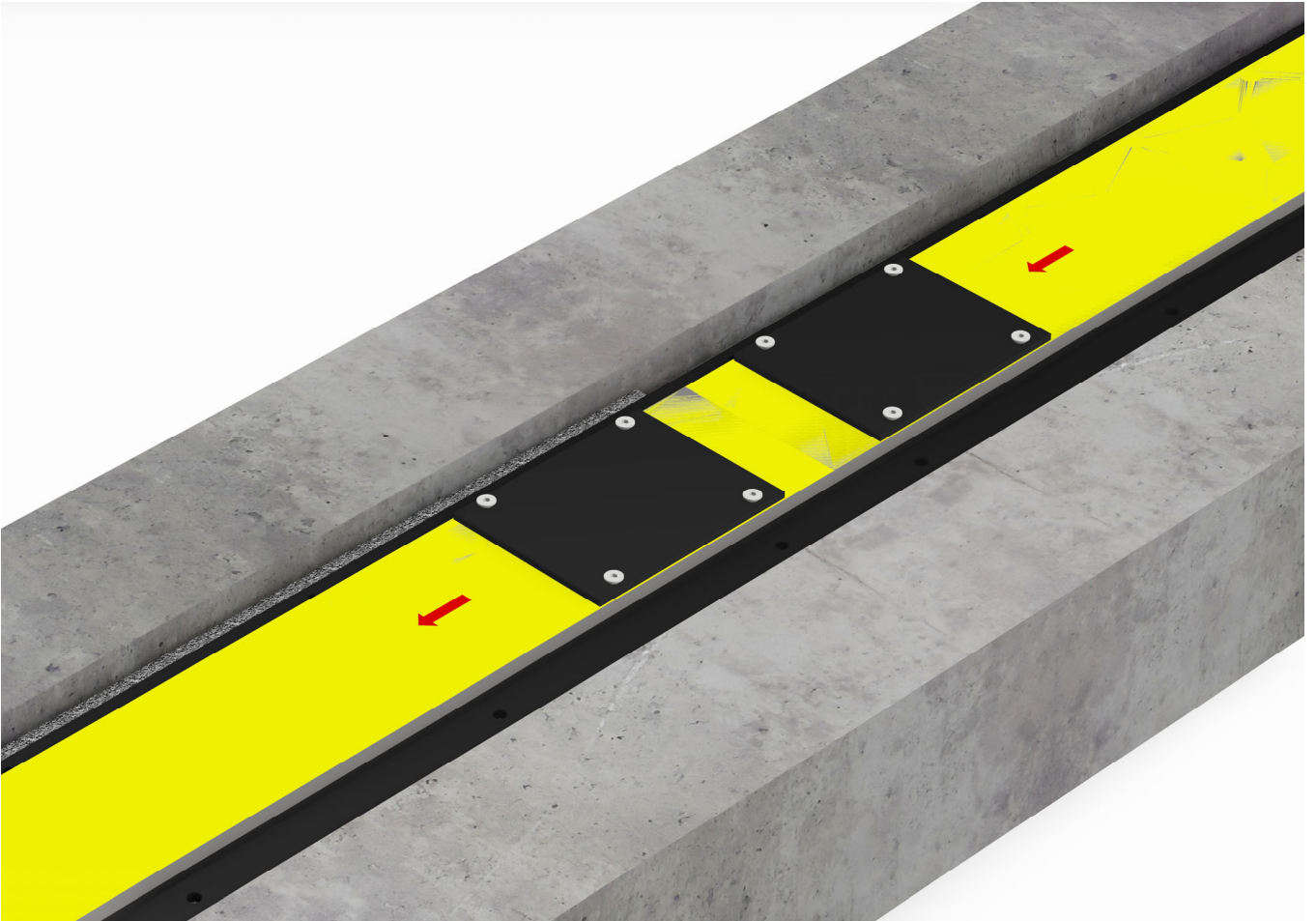


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5. Connection of single lengths

Place the continuing length adapted to the length already placed. Take care that the labelled flash stickers indicate the same direction to guarantee for a continuous sinus curve.

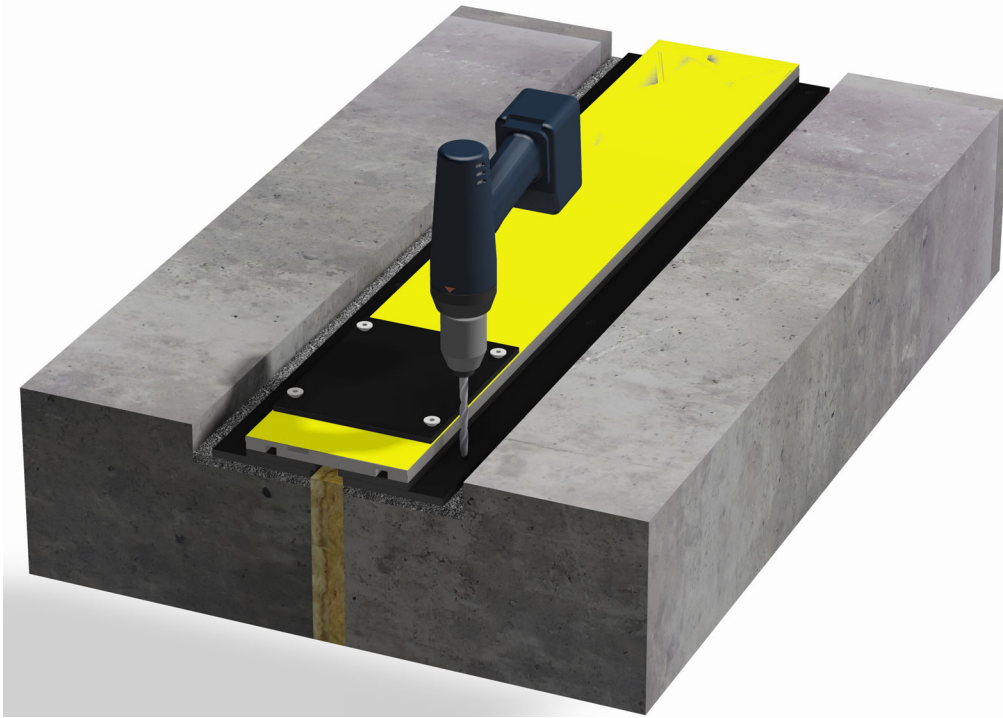
Adjust the profile flush in height and sides and avoid off-sets to the length already installed.



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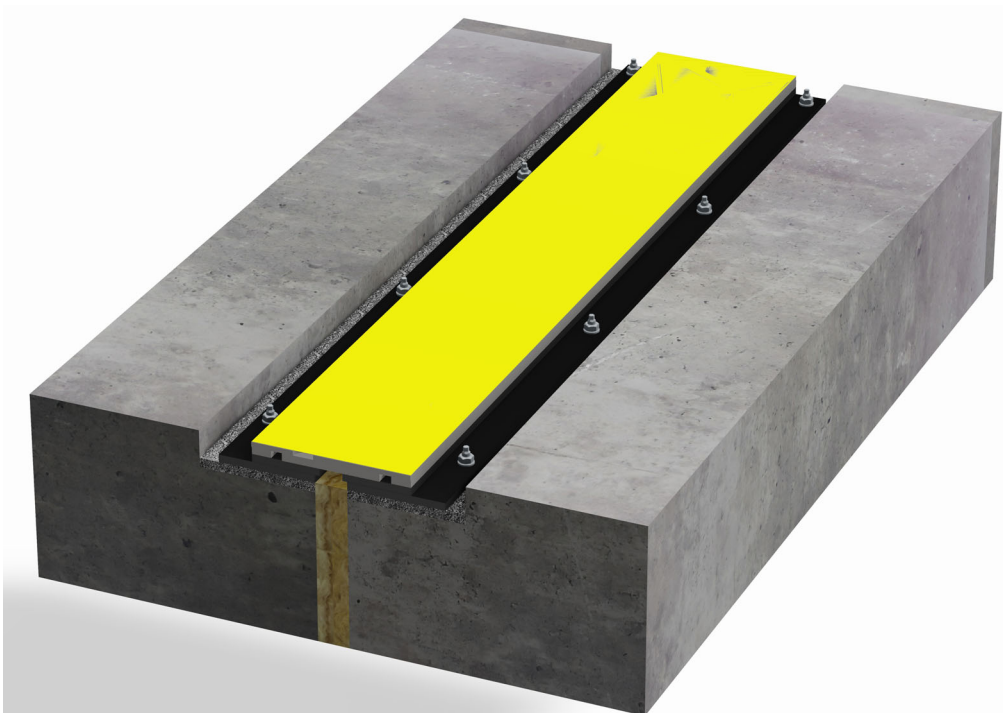
6. Fixation of joint covers

Profiles have to be fixed vibration-free directly onto the slab, on both sides of the joint after the mortar/epoxy has cured. Make use of chemical anchors e.g. M8 or equivalent. The length of the anchor depends on the required clamping strength (layer thickness + profile feet thickness). Fixation has to be made in a distance of max. 300 mm. Make sure that the drilling is effectuated absolutely vertically 90°. The prescriptions of the manufacturer of fixation material have to be observed. Especially clamping strength and drilling depth of the anchor manufacturer.



7. Removing of distance spacers

Distance spacers mounted in factory have to be removed immediately after fixation of the profiles.



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8. Filling of the blackout / recess

The blackout / recess need to be filled with a suitable Epoxy or PCC-Mortar (high compression strength and contraction free). Regard the requested demands for every day use by forklifts, abrasion, chemical requirements etc. The filling level has to be determined by the local construction site management considering the final pavement.

Take care that the top edges of the adjacent pavement level is flush with the top of the profile.

In no case the profile edges may exceed the finished surface level.



9. Removing of adhesive tape

The protection tape have to be removed and the profile have to be cleaned when the site is finished.



The execution of works may differ if the result is identical in quality.