

# INSTALLATION INSTRUCTIONS COSINUS SLIDE® JOINT



## STEP 1

String a line in the location where the profiles are to be installed and lay the joints out along this line. Aligning is simplified if the line is not placed in the axis of the joint but on one side/edge of the upper sinus wave. Place the first joint parallel to this line and bring them to the correct height (using laser and the special developed adjustment tool). Check the vertical and horizontal level.



## STEP 2

Hammer or drill pins (max. Ø 16 mm - 1/2 x 24" smooth dowels) into the ground vertically (slightly inclined in the direction of the joint longitudinal axis) inside the anchorage system with 2 on each side at the end of the profile. Two additional pins should be attached approximately in the middle of the profile (1 on each side) to ensure the correct position of the profile and to enable necessary adjustments.



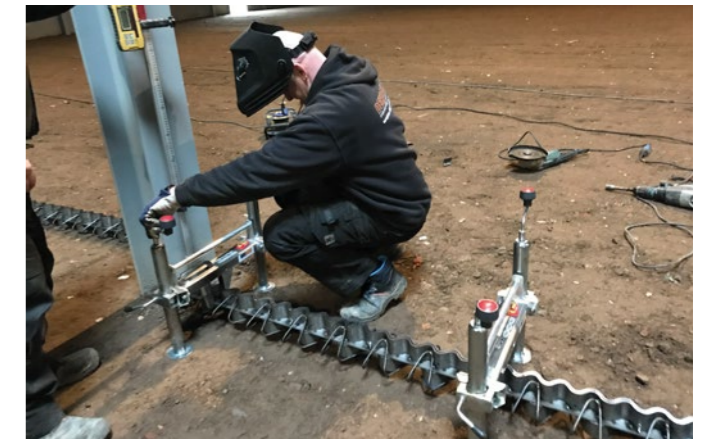
## STEP 3

Check again the height level of the profile at the beginning, the middle and the end with a laser and also the horizontal and vertical level. Weld the pins to the profile. If welding work is not permitted on site, special adjustment feet are available. Pull down the falling steel plate to adjust the joint to the floor slab height. Adjustable feet pad shown in middle picture, which is recommended for slab on insulation, topping slabs and other installations.



## STEP 4

Place the next profile with its connection system in the first profile. See detailed instructions at the backside. With the connection, the start of this profile is immediately at the correct height. Bring the middle and the end of the second profile to the correct height with laser and adjustment tool. Repeat step 2 and 3 and weld the profiles together. Continue this way until arriving at an intersection, wall or column.



## STEP 5

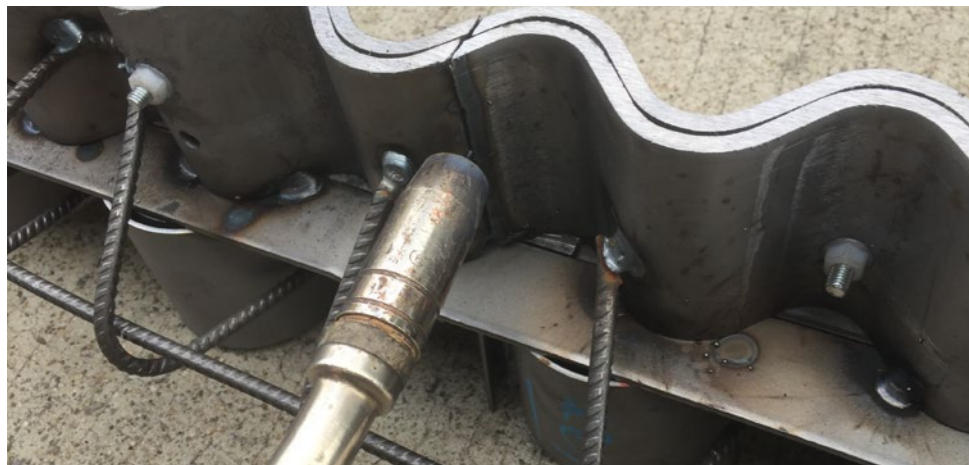
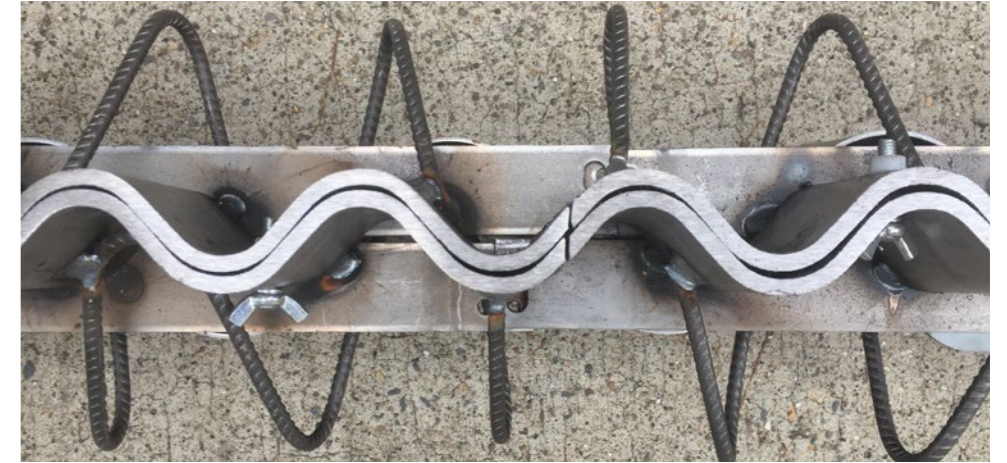
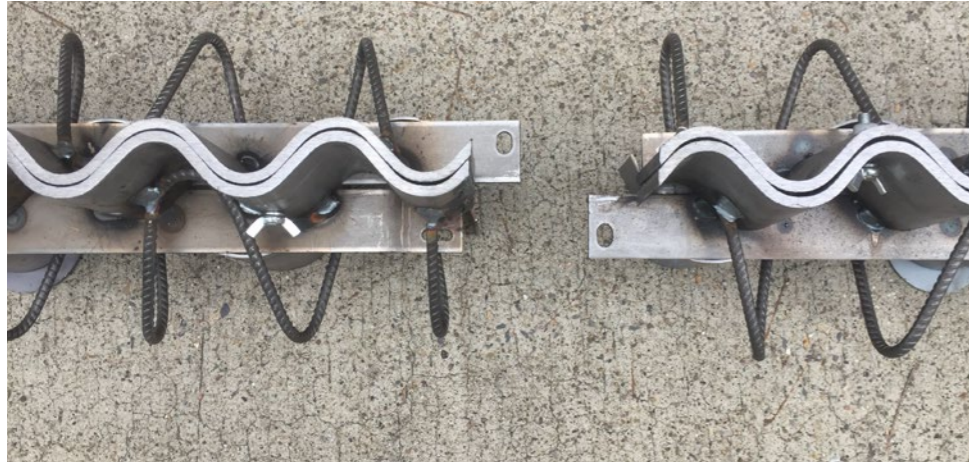
Compact the concrete with needle vibrators in order that trapped air and excess water are released and the concrete settles firmly along in the joint. Avoid polishing the concrete over the joint.



## STEP 6

To become a satisfied result of the sinus slide® jointing solution, it is absolutely necessary to finish carefully the concrete at the same level as the sinus joint edges. SEE BACK SIDE OF THIS GUIDELINE.



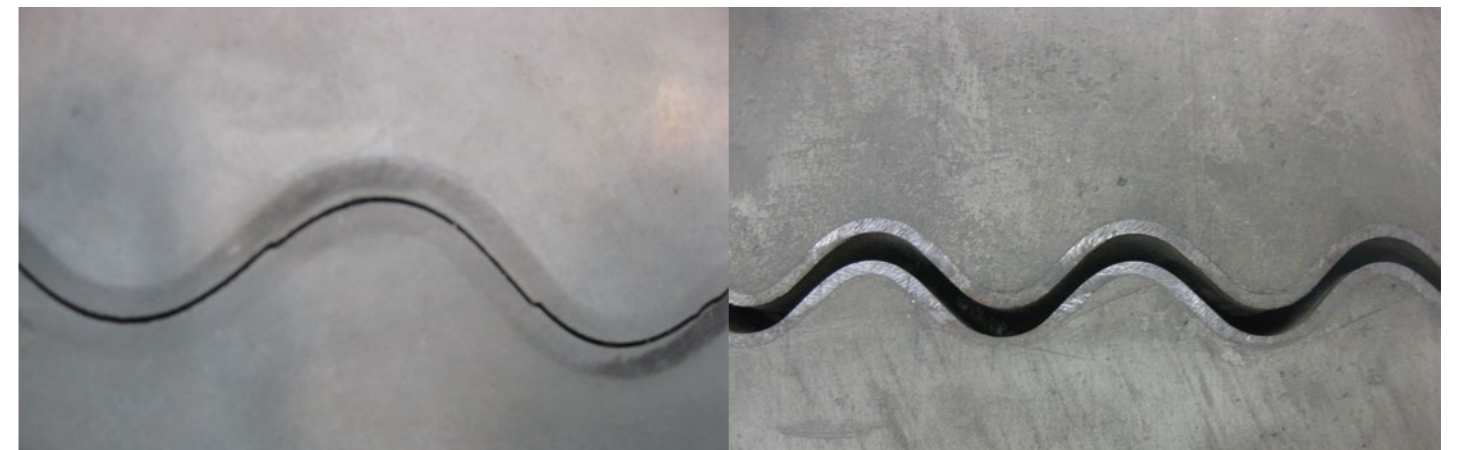


## DETAILED GUIDELINE FOR JOINT CONNECTION

Bring the 2 ends of the joints together as shown at the pictures. Eventually, use additional tools. Connect the 2 joint profile ends with welding's on the exterior of the upper sinus waves. Optionally use as well fixing screws in the horizontal divider plate. Connect also the continuous rebar anchorage system with a straight bar or pin of min. Ø 6mm. Remove the tools and continue installation like described backside of this instruction. The transport and assembly safeguards in the upper sinus wave don't need to be removed after installing the joint profiles. They release automatically with the shrinkage of concrete.



**BAD FINISHING !!! Poor and inferior skill of flooring contractor**



**GOOD FINISHING: Excellent skill of flooring contractor**

**VERY IMPORTANT:** A good joint is the first condition for a perfect industrial floor. However, the correct and good finishing touch by the flooring contractor is a second condition. It is the **RESPONSIBILITY** of the flooring contractor to guarantee shock- and vibration free forklift wheel crossing by good skill and finishing. Hand troweling of the concrete along the joint is recommended to achieve a perfect result.