

## COSINUS CONNECT

A guide for the installation of Cosinus Slide® joint, adapted to connect an existing floor to new one.



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MADE IN BELGIUM



COSINUS CONNECT is an adapted Cosinus Slide® joint with a 10 mm foam for pre-opening and a special anchorage system on one side of the joint, which allows to benefit for the performance of Cosinus Slide® while connecting an existing floor to a new one.



This document provides information on the installation process for these joints.

As the final installation process and handling of materials very much depends on the used anchorages and the repair mortar, which is used to backfill the space between the existing floor and the joint, make sure to crosscheck information and if necessary to adapt processes in function of the instructions provided by the supplier if these products.

### STEP 1

Make sure that the edge of the existing floor is cut vertically and in a straight line. This is essential to enable the joint for a perfect installation and proper function.



### STEP 2

Clean the cut surface from any dirt or cut waste.



**STEP 3**

Start with installing the first joint by using the mold to precisely define the location and drill the holes which are needed to connect the COSINUS CONNECT to the existing floor. The diameter and depth of the holes need to be adequate to glue the threaded rods with diameter 10 mm (3/8"). Please see the instructions of the supplier for more detailed information.

Make sure to mark the end of the mold in order to place it precisely to drill the holes for the next joint.

**STEP 4**

Clean the holes to ensure proper bonding of the chemical anchoring

**STEP 5**

Fix threaded rods with diameter 10 mm (3/8"). Make sure that the thread sticks out 4 to 5 cm (1 5/8 to 2") of the surface.



**STEP 6**

Before installing the joint, make sure to prepare the surface/edge of the existing concrete in function of the later filling material will apply. Please refer to the corresponding suppliers instructions for more detailed information.



**STEP 7**

Install the joint by sliding the “CONNECT” side of the joint over the treads and secure the joints with self-locking 10 mm (3/8”) nuts and corresponding fender washers. Don't fasten the nuts completely before final adjustment of the joints.



**STEP 8**

Adjust the position of the joint and set properly the requested height in function of the later use and finished floor level. Then fix the final position by fastening the nuts. Before fastening, make sure the next joint is already pre-installed and connected. This will ease the installation.



**STEP 9**

In case of need, to further secure and slightly adapt the position of the COSINUS CONNECT, use additional pins on the side of the new floor, just as known from the classic installation of the Cosinus Slide joint for new constructions.

**STEP 10**

Make sure to properly slide down the bottom divider plate.

**STEP 11**

Fill the gap between the existing floor and the COSINUS CONNECT with an appropriate shrinkage free material. Apply and finish this one in conformity to the suppliers instruction. In case of very fluid filling material, make sure to close any existing gap (at the perimeter and in-between joints) to prevent overflowing material.

