

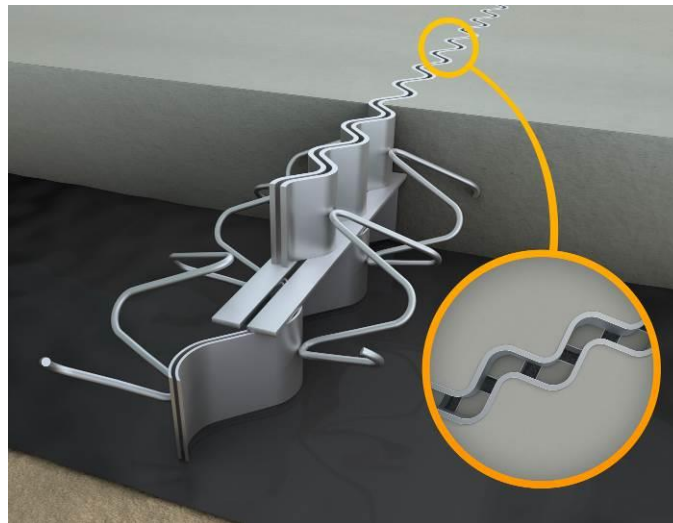
SPECIFICATION TEXT

HC-Cosinus Slide® expansion joint



..... m Characteristics

Delivery and installation of the HC-Cosinus Slide® expansion joint to realize a 100% joint free industrial floor in users experience and operation. With correct deployment and finishing this joint ensures continuous support of passing wheels which enables shock- and vibration free crossings and creates smooth and noiseless load transfers. Herewith this Slide® joint is compliant with the European directive 2002/44/EC concerning exposures of workers to whole body vibrations.



Technical features

The Cosinus Slide® joint is characterized by a stable double 2x5 mm Sinus steel plate on top opposed by a double 2x3 mm Sinus steel plate on bottom. Instead of traditional anchor studs the joint is fixed in the concrete by a special wrenched continuous rebar system over the total length of the joint and with connections top and bottom. A small steel plate in the middle prevents overflowing of the concrete.

Thanks to the Sinus-Cosinus geometrical shaped form of the joint and the concrete, load transfer is not realized by the joint but by the floor itself. Each sinus corrugation on top is opposed by a cosinus corrugation underneath. These crossed sinus corrugated steel plates shape small vertical steel concrete columns over each other. The load bearing of these columns defines the load bearing capacity of the complete floor. Thanks to this, load transfer is not realized by the joint but by the floor himself without dowel system.

universal use suitability of the floor

The HC-Cosinus Slide® expansion joint is suitable for all forklift categories FL1 to FL6 and for all types of forklifts wheels.

Material

Steel (NEN-EN 10025-1-04) S235JR2

Also available in complete electrolytic galvanized version

Also available in complete stainless steel version

Length

Standard lengths of 2,59 meter

Joint opening

Maximum joint opening 20 mm. Recommended dimensions floor slab 30x30 meter.

Available profile height

120 tot 300 mm. From 300 mm custom made solutions

Intersections

..... pc L-intersection
..... pc T-intersection
..... pc X-intersection