Expansion strips are mounted in concrete floor plates to compensate movements in plate sections. Concrete plates are exposed to internal and external pressures. Damage occurs mainly at the edges of plates near to connections. Connection of floor plates should compensate their mutual horizontal movements (perpendicular and parallel to the expansion joint) which are usually caused by thermal expansion and shrinkage of concrete. At the same time the connection must also błock vertical movements and mutual curving of floor elements which is a consequence of traffic, heavy loads and uneven passive earth pressure.

Dowel Movements:

• dowel size 180x120x8mm ±15mm para lle l and ±20mm perpendicular
• dowel size 180x140x10mm ±20mm para lle l and ±30mm perpendicular

Conecto Sinus expansion joints ensure an even distribution of the loads between floor plates by preventing excessive local tensions. Expansion joints help to eliminate the main reason behind uncontrolled floor cracking, they make the floor last long er and improve use comfort.
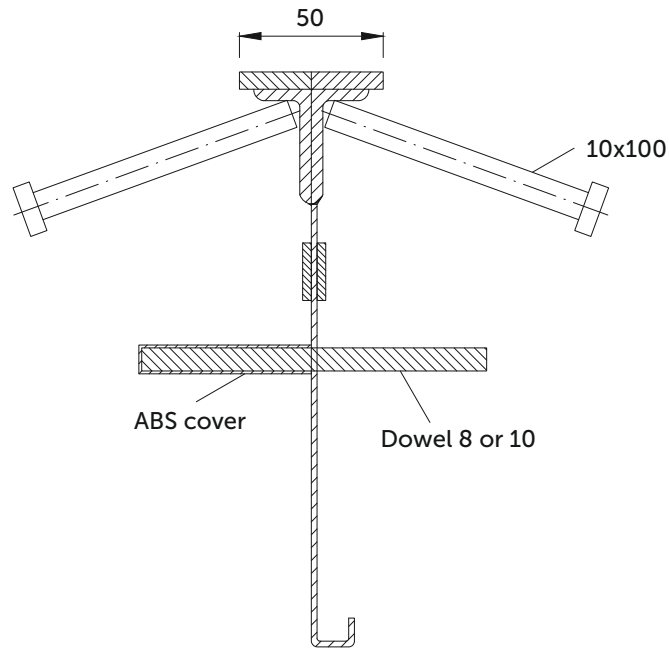The number of expansion joints should allow to divide the floor into regular fields, with a shape similar to a square of up to 1000m² , which constitutes a daily flooring efficiency. Joints should be spaced at a distance not greater than 45x45m.
The system is complete, easy to install and ready for application, all you should do is place the profiles at the installation site and join them without wrenches, using screws with wing nuts provided in the package.
Conecto Sinus joints guarantee proper resistance in case of permanent high traffic loads.

Places of application

| industrial floors | logistics and distribution centers | industrial buildings | industrial storage facilities | airports |

TECHNICAL DATA SHEET

50

10x100

ABS cover

Dowel 8 or 10

Floor height [mm]	Profile height [mm]	Dowel size [mm]	Dowel spacing [mm]	kg/m
125	100			10,80
150	125			11,20
175	155			11,70
200	175	180x120x8	600	12,00
225	200			12,40
250	225			12,80
275	250			13,20
300	275			13,60

• possibility to prepare profiles in any height (every 5mm)
• standard lenght 3 meters

3000

10x100

600 (4D) / 480 (5D) / 400 (6D)

50

Top stainless steel

Dowel – 180x120x8mm or 180x140x10