

I D E A
project
product



conecto
profiles



Conecto Profiles Sp. z o.o. is a distinguished manufacturer and supplier of expansion joint profiles, headquartered in Poznań, Poland. Conecto is a well-known brand of expansion joints and supplies to commercial and industrial buildings of large dimensions where expansion joints are used to cover and make up for structural slits. The fact that worse and worse ground strata are being used for grade slab construction, which also determines the need and use of expansion joints for smooth load transfer.

Conecto is a high-quality product range developed for architects, contractors, and investors, offering reliable and performance-driven solutions for modern construction needs. With a strong focus on customer benefit, Conecto leverages practical experience gained over several years on construction sites across **Europe, Gulf Countries, USA and India**, ensuring products meet international standards of quality, durability, and precision.

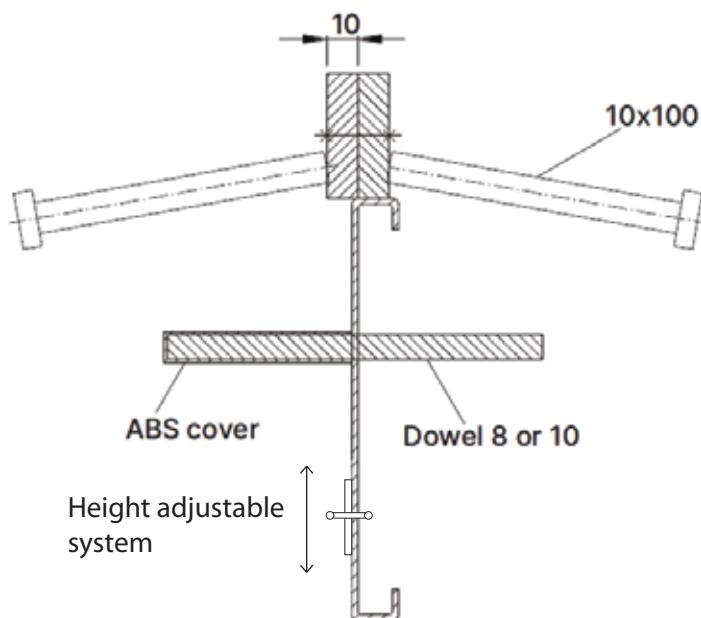
Conecto is now manufacturing in NCR, India as **STARLIT PROFILES PRIVATE LIMITED**, bringing proven European expertise and advanced profile systems to the Indian construction market at affordable prices. For more information on our products kindly write us at: info@conecto-profiles.in

**Conecto Prime "X" 10NA40-5D****Conecto Prime "T" 10NA40-5D****Conecto Prime "L" 10NA40-5D**

Conecto Prime Steel Armour Joints is a leading armoured joint system, renowned for its strength, versatility, and reliability. Engineered for heavy-duty performance, it provides exceptional protection and easy installation, making it ideal for large-scale construction. The prefabricated, leave in place design ensures durable free-movement joints, offering long-term stability for ground and pile-supported concrete floors. With its armouring and load transfer capabilities, it delivers superior durability in high-traffic environments.

Places of application

- Industrial floors
- Logistic and distribution centers
- Industrial buildings
- Industrial storage facilities



~ Possibility to use cold drawn steel (Grade of steel EU S235 / IS 2062) of 10 mm width and 40 mm Height

~ Possibility to use dowel plates of size 180 x 120 x 8 mm (Grade of steel EN S355 / IS 2062) fitted with ABS Plastic sleeves & steel pulling rods to ensure efficient load transfer between two adjacent concrete slabs.

~ Standard space between dowels 560mm (5D)

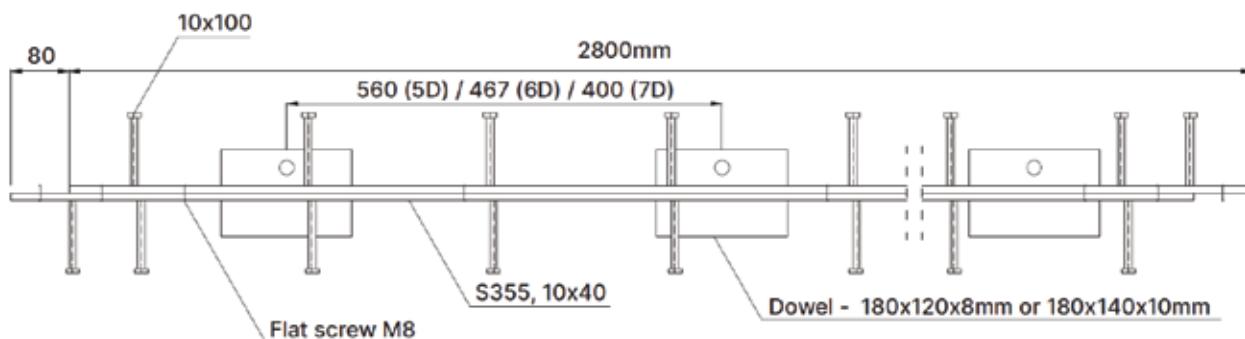
~ Possibility to use more dowels per one joint (6D, 7D) to increase max loads on floor

~ The Conecto Prime Steel Armour Joint System is supplied with a unique height-adjustable Footer plate (1.6mm Thick - Grade of steel EU S235 / IS 2062), allowing instant adjustment to suit any floor slab thicknesses ranging from 150 mm to 200 mm, ensuring accurate installation and long-term performance.

~ Armour joint length 2800 RMT, Weight 12KG/RMT

Floor height [mm]	Profile height [mm]	Dowel size [mm]	Dowel spacing [mm]	kg/m
100-110	90	180x120x8	560	10,77
110-130	100			10,93
135-155	125			11,33
160-185	155			11,81
185-205	175			12,13
210-230	200			12,53
235-255	225			12,93
260-280	250			13,33
285-305	275			13,73

- possibility to prepare profiles in any height (every 5mm)
- possibility to prepare profiles of height 50mm, 60mm, 70mm, 80mm
- standard length 2,8 meters

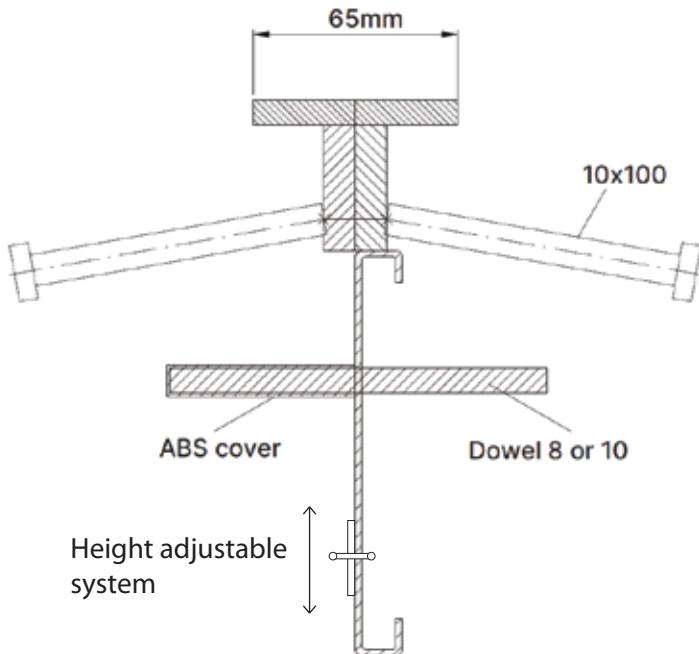




Conecto GLIDE SINUS Armour Joints system combines a narrow top plate with a distinctive triple wave design, offering seamless impact protection and smooth movement for materials handling equipment. The innovative sinus wave shape ensures allowing forklifts to the joint smoothly in both direction. The design helps minimize noise and vibration, enhancing comfort for forklift operators. Sinus armoured joint offers long-lasting protection in hightraffic movement areas.

Places of application

- Industrial floors
- Logistic and distribution centers
- Industrial buildings
- Industrial storage facilities



~ Possibility to use hot rolled steel (Grade of steel EU S235 / IS 2062) of 65 mm width and 08 mm Thick sheet, laser cut in sinus shape

~ Possibility to use dowel plates of size 180 × 120 × 8 mm (Grade of steel EN S355 / IS 2062) fitted with ABS Plastic sleeves and steel pulling rods to ensure efficient load transfer between two adjacent concrete slabs.

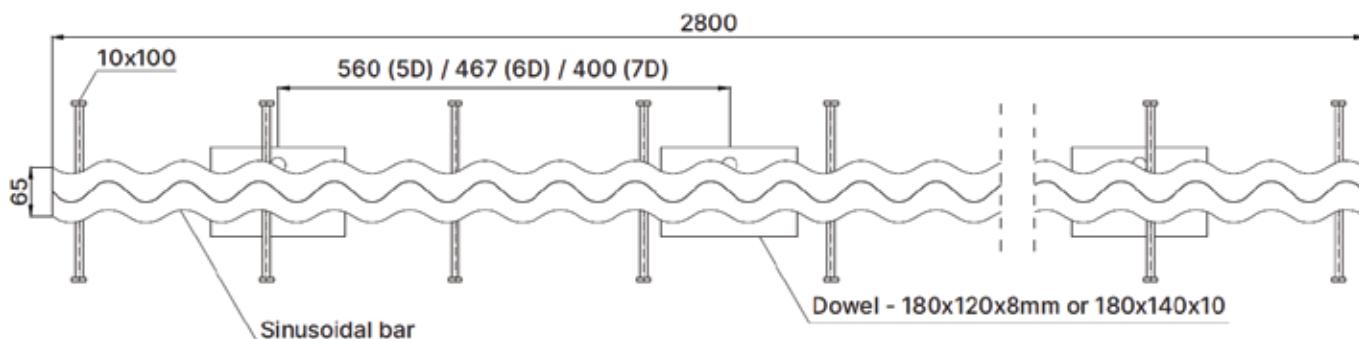
~ Standard space between dowels 560mm (5D)

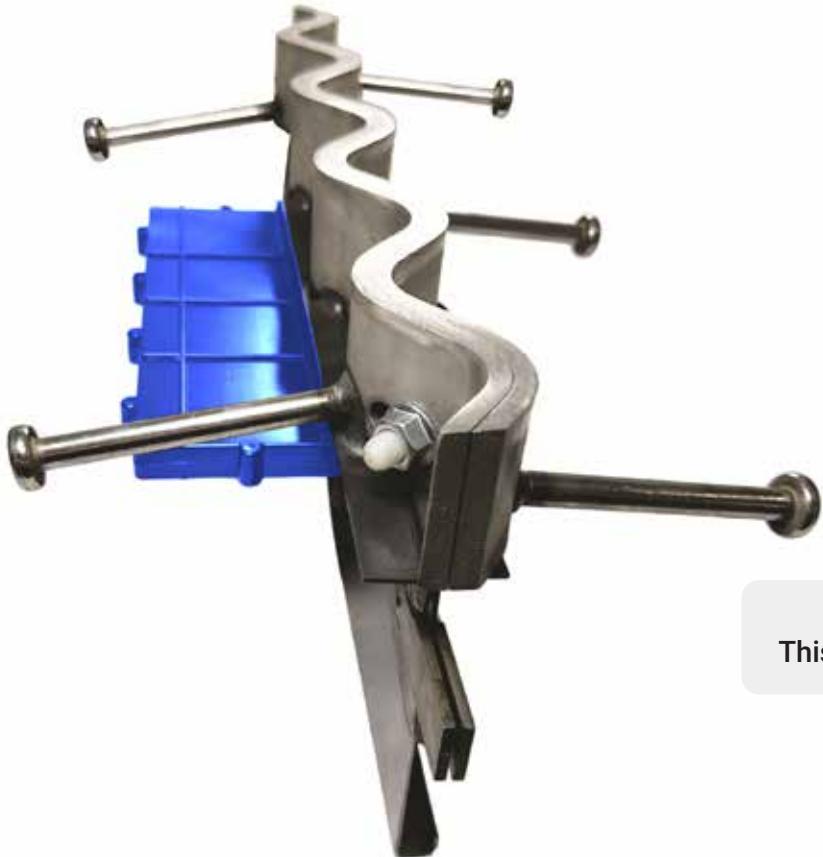
~ The Conecto GLIDE SINUS Armour Joint System is supplied with a unique height-adjustable Footer plate (1.6mm Thick - Grade of steel EU S235 / IS 2062), allowing instant adjustment to suit any floor slab thicknesses ranging from 150 mm to 200 mm, ensuring accurate installation and long-term performance.

~ Armour joint length 2800 RMT, Weight 15.125KG/RMT

Floor height [mm]	Profile height [mm]	Dowel size [mm]	Dowel spacing [mm]	Kg/m
125	100	180x120x8	560	14,89
150	125			15,29
175	155			15,77
200	175			16,09
225	200			16,49
250	225			16,89
275	250			17,29
300	275			17,69

- possibility to prepare profiles in any height (every 5mm)
- standard length 2,8 meters



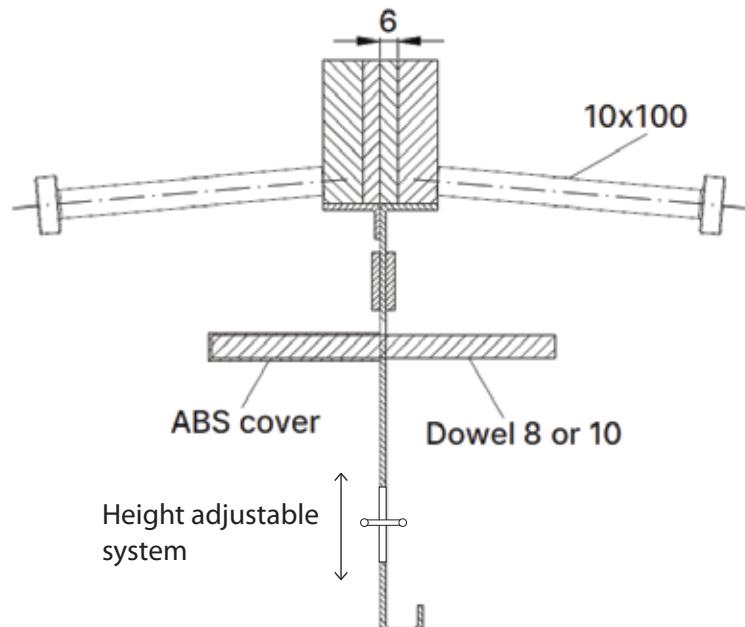


Universal Sinus Connector
This solution can be used in X, T and L connections

Conecto Sinus 6+6 is a reinforced connection system with a sinusoidal steel top that fully protects the edges of the slabs. By using sinusoidal profiles, you can avoid cracking of the floor and expensive repairs. This unique shape has been designed for heavy forklifts, ensuring smooth and efficient operation. A profile that combines strength, reliability and ease of use.

Places of application

- Industrial floors
- Logistic and distribution centers
- Industrial buildings
- Industrial storage facilities



~ Possibility to use hot rolled steel (Grade of steel EU S235 / IS 2062) of 40 mm height and 06 mm Thick sheet, laser cut in sinus shape

~ Possibility to use dowel plates of size 180 x 120 x 8 mm (Grade of steel EN S355 / IS 2062) fitted with ABS Plastic sleeves and steel pulling rods to ensure efficient load transfer between two adjacent concrete slabs.

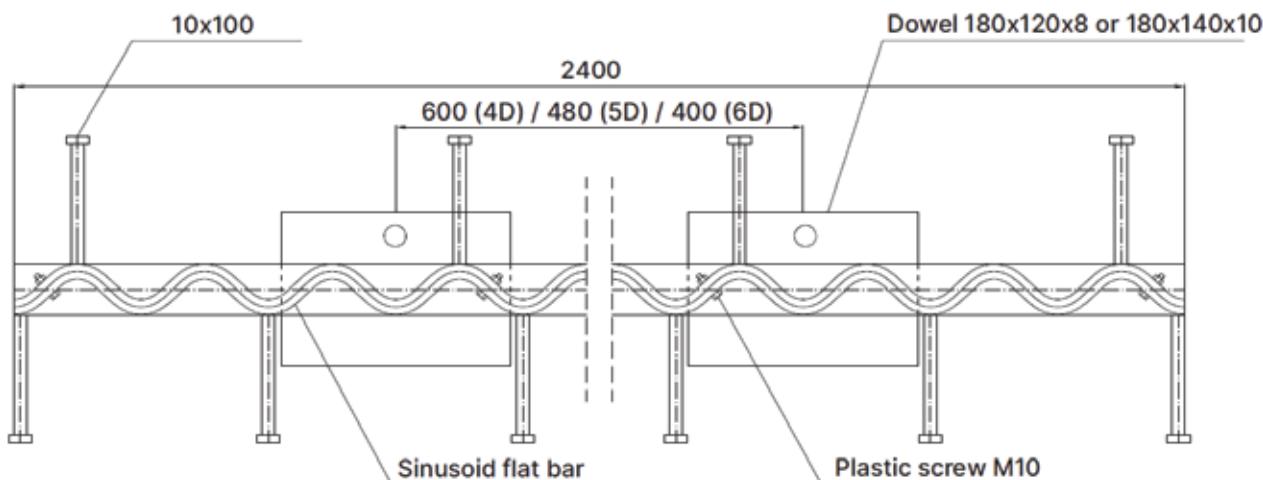
~ Standard space between dowels 560mm (5D)

~ The Conecto GLIDE SINUS Armour Joint System is supplied with a unique height-adjustable Footer plate (1.6mm Thick - Grade of steel EU S235 / IS 2062), allowing instant adjustment to suit any floor slab thicknesses ranging from 150 mm to 200 mm, ensuring accurate installation and long-term performance.

~ Armour joint length 2800 RMT, WeightKG/RMT

Floor height [mm]	Profile height [mm]	Dowel size [mm]	Dowel spacing [mm]	kg/m
115-135	100	180x120x8	560	11,11
135-155	125			11,27
160-185	155			11,75
185-205	175			12,07
210-230	200			12,47
235-255	225			12,87
260-280	250			13,27
285-305	275			13,67

- ability to perform a profile in any height of 5 mm
- standard length 2.4 meters

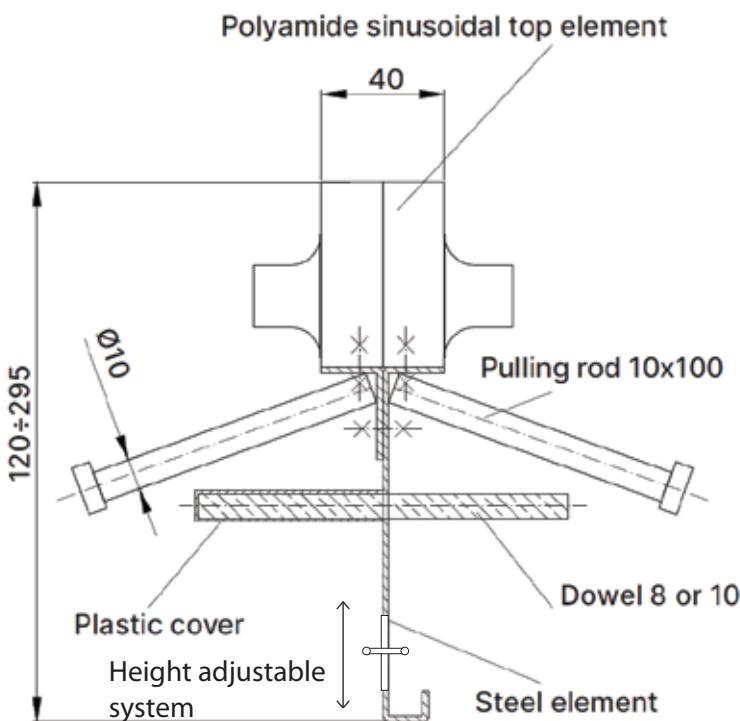




Conecto Polyamide 06NSTW60 joint is innovation solution on the expansion joints market. Due to unique construction and best quality materials it gives feeling when driving over it, that there is no joint on the floor. Using sinusoid joints you could avoid floor cracking and difficult and expensive reparations. Conecto Sinus profiles completely absorb shocks and they are completely invisible in usage. Usage of Conecto Sinus joints minimizes operation costs. They reduce problem of damaged fork-lift wheels, loading equipment and goods destruction due to shocks. The system is complete, easy to install and ready for application.

Places of application

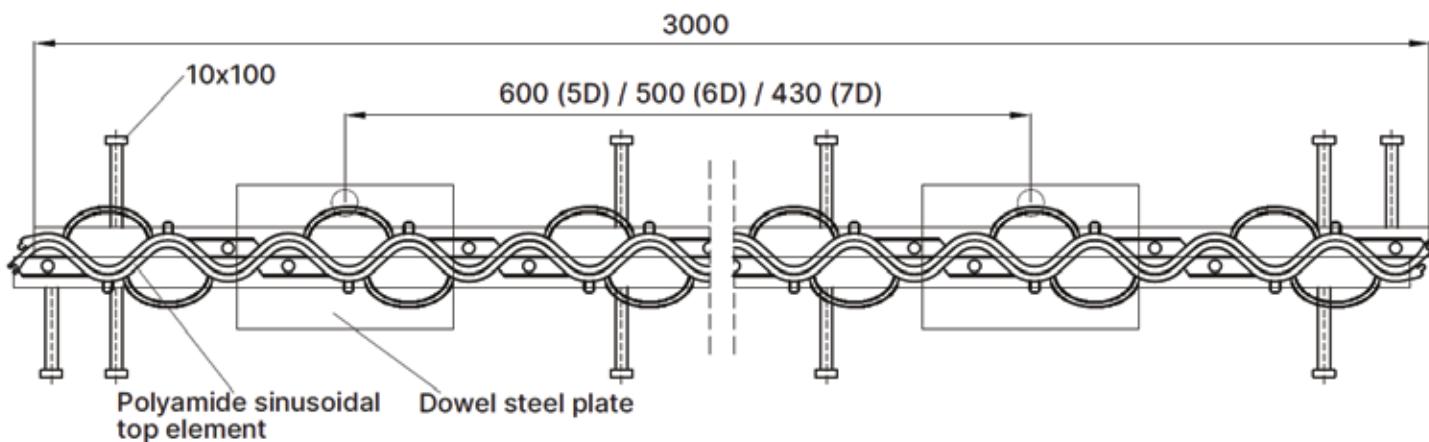
- Industrial floors
- Logistic and distribution centers
- Industrial buildings
- Industrial storage facilities



Advantages of Conecto 06NSTW60 profiles

- ~ smooth passage through the dilatation
- ~ possibility of grinding
- ~ use of glass fiber reinforced polyamide
- ~ Very big surface of steel dowel standard size 180x120x8, possibility to use dowels - 180x140x10
- ~ maximum distance between dowels 600mm
- ~ very large surface of the profile anchoring in the floor
- ~ Dowel cover made of highly resistant ABS plastic

- SHOCKLESS AND VIBRATIONS FREE PASSAGE THRU DILATATION
- CO₂, REDUCTION DUE TO LOWER SHARE OF STEEL AND LOWER WEIGHT OF PROFILE
- INCREASING THE DURABILITY OF THE WHEELS
- NOT INTERFERE WITH THE OPERATION OF INDUCTIVELY CONTROLLED MEANS OF TRANSPORT
- DESIGNED FOR FLOORING INTENDED FOR GRINDING
- EASY TO PROCESS WHEN IT IS NECESSARY TO ALIGN THE FLOOR AT THE JOINT
- CORROSION- AND AGGRESSIVE ENVIRONMENT RESISTANT
- EXCELLENT EDGE PROTECTION THANKS TO THE PROFILED GLASS FIBER REINFORCED POLYAMIDE





Nova Repair Joint is a high-performance arris repair and upgrade system for damaged construction joints in concrete floors.

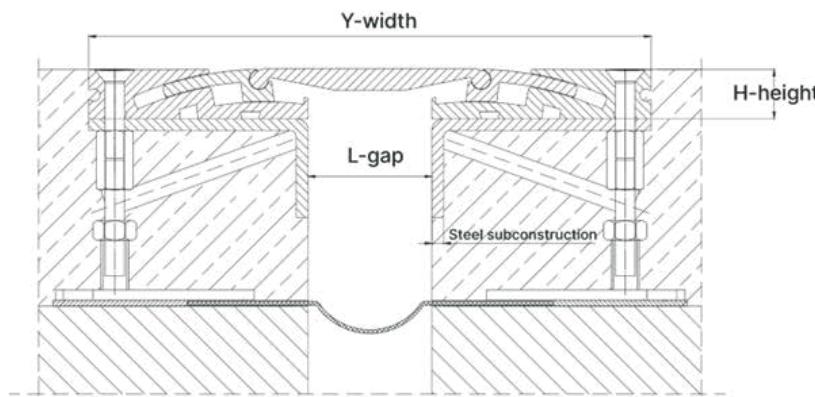
Damaged concrete is carefully removed and replaced with the Nova profile using industrial-grade repair mortars and bonding agents, ensuring long-lasting strength.

Its engineered joint shape allows smooth, impact-free movement of vehicles in all directions, preventing joint damage and floor failure.

Nova Repair Joint provides a permanent repair solution, delivering superior performance compared to conventional straight joints.

BENEFITS OF NOVA REPAIR JOINT

- ~ Permanent, maintenance-free joint arris repair
- ~ Impact-free design reduces damage, noise, and vibration
- ~ Smooth vehicle movement from any direction, including 90°
- ~ No joint sealant required (optional for leachate control)
- ~ Long-term cost savings with no future repairs
- ~ High-strength glass-reinforced nylon (GRN) – lightweight, durable, rust-free

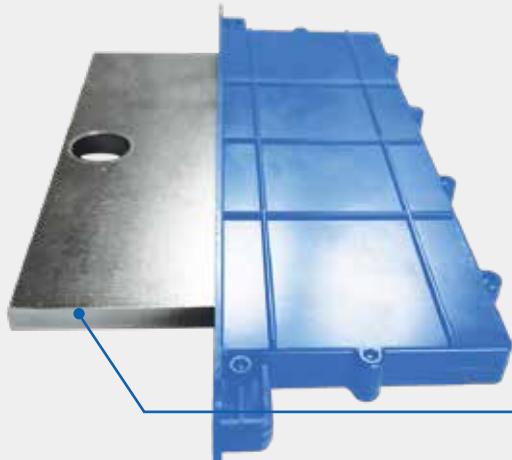


Type of profile	Material type	Load bearing capacity lorries (DIN 1072) [kN]	Load bearing capacity forklift trucks (DIN 1055) [kN]	Load bearing capacity vehicles with solid plastic tyres [kg/mm]	Load capacity/ pneumatic wheels [kN/wheel]	Load capacity / hard wheels (> 100mm) [kN/wheel]
Conecto HDS + subconstruction	Aluminium / Steel	600	130	15	65	15

HDS ExpandX is the system of construction connectors for walking and riding movement, designed to use in big buildings or industrial objects. Due to big movement of mobile element it is possible to use these connectors to compensate seismic tensions. Connector does not have the wings which gives smaller thickness of adjacent surface. Hidden sliding runners make the upper surface flat and edges-free. This solution is easier for cleaning and reduces noises and friction when it is in contact with wheels. Installation system gives monolithic connection with surface.

ARTICLE	L mm*	H mm*	Y mm*	Horizontal movements mm	Vertical movements mm
HDS 230.20.25	50	25	230	40 (+/- 20)	30 (+/- 15)
HDS 255.20.25	75	25	255	40 (+/- 20)	30 (+/- 15)
HDS 295.20.25	115	25	295	40 (+/- 20)	30 (+/- 15)
HDS 260.30.25	40	25	260	40 (+/- 30)	30 (+/- 20)
HDS 285.30.25	65	25	285	40 (+/- 30)	30 (+/- 20)
HDS 320.30.25	100	25	320	40 (+/- 30)	30 (+/- 20)

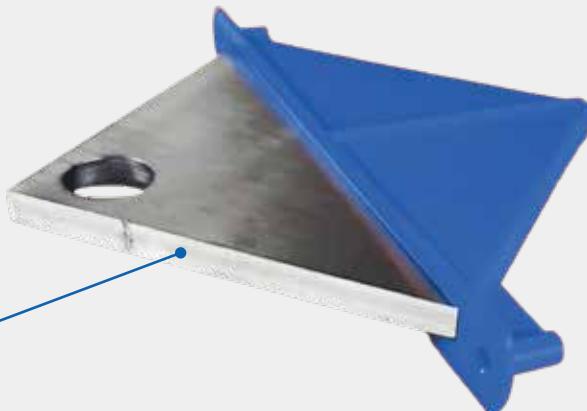
Standard dowel T8



Steel Plate 180x120x8

Dowel 115x115x8 for special needs

Steel Plate 115x115x8



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 block vertical movements and mutual curving of floor elements which is a consequence of traffic, heavy loads and uneven passive earth pressure. Conecto Dowel system are designed to create expansion joints for industrial. Steel armoured joints with their unique construction constitute a stay-in-place formwork and additionally secure concrete floor edges. Conecto Dowel system is a floor expansion joint solution, where an anchoring element is a steel dowel placed in a specifically designed plastic sleeve, which permits free horizontal movement (along and across expansion joints) and prevents vertical movements between expanded floor plates. Plastic elements are provided with proper reinforcements, which protect them against the deformation caused by the concrete pressure (even when the floor is thick). The standard we use 5 dowels (5D) on each 2.800 mm profile lenght. When more load capacity is needed, we can also produce profiles with 6 dowels (6D) or 7 dowels (7D).

Conecto Dowel expansion joints allow for a movement between floor plates:

Load capacity about expansion joints depending on amount of dowels in one joint [kN/lm] steel S355MC, floor concrete C25/30

Dowel size 180x120x8mm	Opening dilatation						
Dowel size 180x120x8mm	0	5	10	15	20	25	mm
5D	242,2	174,9	130,0	100,7	81,1	67,4	kN/lm
6D	290,7	209,8	156,0	120,8	97,3	80,9	kN/lm
7D	339,1	244,8	182,0	141,0	113,5	94,3	kN/lm
8D	387,6	279,8	208,0	161,1	129,7	107,8	kN/lm

Dowel size 180x120x8mm	Opening dilatation						
Amount of dowels (at 2,8 meter)	0	5	10	15	20	25	mm
5 (560)	239,8	157,6	107,1	76,1	56,2	42,7	kN/lm
6 (467)	287,7	189,2	128,5	91,3	67,4	51,2	kN/lm
7 (400)	335,7	220,7	150	106,5	78,7	59,7	kN/lm
8 (350)	383,6	252,2	171,4	121,8	89,9	68,3	kN/lm
9 (311)	431,6	283,8	192,8	137	101,1	76,8	kN/lm

Edge Shield

Edge Shield is designed to be used as protecting profile for the inner corner of the concrete constructions. They can transfer moderate loads to the concrete.

The standard length of the angle is 3 meters. They can be cut easily to required length at building site. Anchoring of the angle is based on rebar anchors.



Pedestal Joint 03ND

We also offer a range of versatile solutions designed to meet various needs and applications. Among these, these are non-standard profiles that can be prepared depending on the customer's needs.

We are flexible with new designed joints and open for customers who need any modifications

Joint Fix

Joint Fix is reusable items that facilitate speedy and accurate installation of ArmourJoint. Use of **Joint Fix** eliminates the risks associated with the conventional 'pin and weld' method, in particular the risk of cracking posed by the pins restraining movement at the joint opening









23

1020



Conecto Profiles Sp. z o.o., ul.Przemysłowa 39, 61-541 Poznań

Production plant: Beznatka 20, 62-834 Ceków

Certificate No. 1020-CPR-070063786

DECLARATION OF PERFORMANCE NR 10NACD40 Dowel

RELEASE DATE 12.12.2023

ETA 23/0021

EAD 200089-00-0302

Dilatation profile Conecto Dowel 10NA40_5x-Tx H-x

Protection of industrial floors in the following facilities: heavy industry, logistics, exhibition, storage, commercial, distribution, airports, ports.

DECLARATION OF PERFORMANCE AND GEOMETRIC FEATURES

weldability: steel type according EN 100025-2 / **S235JRC EN10277 (flat bar), S235 (footer,pulling rod), S355 (dowel steel plate)**

resistance to brittle fracture steel construction products / **S235JRC EN10277 (flat bar), S235 (footer,pulling rod), S355 (dowel steel plate)**

thermal performance : NPD

condensation risk : NPD

durability – **≥20 years**

CUSTOMER / RECEIVER	BUILDING	ORDER NUMBER
	Order from

**DECLARATION OF PERFORMANCE****Nr 10NACD40 Dowel**

1. Unique identification code of the product-type

Dilatation profile Conecto Dowel 10NA40

2. Intended use/es:

Protection of industrial floors in the following facilities: heavy industry, logistics, exhibition, storage, commercial, distribution, airports, ports.

3. Manufacturer:

Conecto Profiles Sp. z o.o., ul. Przemysłowa 39, 61-541 Poznań
Production plant: Beznatka 20, 62-834 Ceków

4. System/s of AVCP:

System 2+ – Declaration of performance of the essential characteristics
of the construction product, made by the manufacturer.

5. Reference document:

ETA 23/0021 z 04.08.2023

and

EAD 200089-00-0302

Notified body/ies:

Technický a zkušební ústav stavební Praha, s.p.
Prosecká 811/76a
190 00 Prague
Republika Česka

Certificate No. 1020-CPR-070063786

6. Declared performance/s:

PERFORMANCE	THE REQUIRED LEVEL OR CLASS	BASIS/ HARMONISED STANDARD
Weldability according to certificate	S235JRC EN10277 (flat bar) S235 (footer,pulling rod) S355 (dowel steel plate)	PN-EN 10025-2:2007
Resistance to brittle fracture. / according to the certificate Impact resistance	S235JRC EN10277 (flat bar) S235 (footer,pulling rod) S355 (dowel steel plate)	
Bearing capacity	By project/calculations	EAD 200089-00-0302
Thermal performance	NPD	
Condensation risk	NPD	
Durability	≥20 years	

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above

Signed for and on behalf of the manufacturer by:

Board member Radosław Ole

Place/date Poznań 12.12.2023

Type III Environmental Product Declaration No. 603/2024



Issuance date: 01.03.2024
Validation: 15.03.2024
Validity date: 01.03.2029

Steel expansion joint profiles to enable the movement of floor slabs

Coneceto Profiles Dowel/Sinus



Owner of the EPD:
Coneceto Profiles Sp. z o.o.

Address: ul. Przemysłowa 39
61-541 Poznań
Poland Tel.: +48 696 653 844

Website: <https://www.profiledylatacyjne.com.pl/>
Contact: office@conecto-profiles.com

EPD Program Operator:

Instytut Techniki Budowlanej (ITB)
Address: Filtrowa 1,
00-611 Warsaw, Poland
Website: www.itb.pl
Contact: Michał Piasecki
m.piasecki@itb.pl
energia@itb.pl

ITB is the verified member of The European Platform for EPD program operators and LCA practitioner www.eco-platform.org

Basic information

This declaration is the Type III Environmental Product Declaration (EPD) based on EN 15804+A2 and verified according to ISO 14025 by an external auditor. It contains the information on the impacts of the declared construction materials on the environment and aspects verified by the independent body according to ISO 14025. Basically, comparison or evaluation of EPD data is possible only if all the compared data were created according to EN 15804+A2.

Life cycle analysis (LCA): A1-A3, C1-C4 and D modules in accordance with EN 15804
(Cradle-to-Gate with options)

The year of preparing the EPD: 2023

Product standard: EN 1090-1

Service Life: 20 years

PCR: ITB-PCR A

Declared unit: 1 kg

Reasons for performing LCA: B2B

Representativeness: Polish, European, 2023


[®]

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Member of



www.eota.eu

European Technical Assessment

ETA 23/0021
of 04/08/2023

General Part

Technical Assessment Body issuing the European Technical Assessment
Technický a zkušební ústav stavební Praha, s.p.

Trade name of the construction product	Conecto DOWEL Conecto SINUS Conecto OMEGA Conecto cold storage joints
Product family to which the construction product belongs	Product area code: 20 Structural metallic products and ancillaries
Manufacturer	Conecto Profiles Sp. z o.o. Przemysłowa 39 61-541 Poznań Republic of Poland
Manufacturing plant	Conecto Profiles Sp. z o.o. Beznałka 20 62-834 Ceków Republic of Poland
This European Technical Assessment contains	19 pages including 4 Annexes, which form an integral part of this European Technical Assessment
This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of	EAD 200089-00-0302 In-situ concrete slab permanent joint former

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.

Communication of this European Technical Assessment, including transmission by electronic means, shall be in full (excepted the confidential Annex(es) referred to above). However, partial reproduction may be made, with the written consent of the issuing Technical Assessment Body. Any partial reproduction has to be identified as such.



CERTIFICATE

No. 4802543

This is to certify that the Quality Management System of the company

Conecto Profiles Sp. z o.o.

Przemysłowa 39
61-541 Poznań
Poland

including workshops:
Beznałka 20, 62-834 Ceków
Kamień 1C, 62-834 Ceków

has been assessed and found to be in compliance with the Standard

ISO 9001:2015

applicable to

Production of expansion joint profiles (industrial (steel) and cubic (aluminium-elastomer)), import and sale of cast iron pipes and fittings, for drinking water and waste water and steel fibre for dispersed concrete reinforcement

The certificate has been issued under No. 4802543 for the registration period from 05 March 2025 to 04 March 2028.
The first certificate date of issue is 05 March 2025.


Approved by


Printed by



validity code: **00ABCD75-E3C**

Check the validity of this certificate using this code at www.ll-c.info



LL-C (Certification) Czech Republic a.s. | Pobřežní 620/3, 186 00 Praha 8



INSTYTUT TECHNIKI BUDOWLANEJ
PL 00-611 WARSZAWA, ul. Filtrowa 1, www.itb.pl

MEMBER OF EOTA & UEAtc



NATIONAL TECHNICAL ASSESSMENT

ITB-KOT-2022/2106 Rev. 1

This National Technical Assessment has been issued pursuant to the Regulation of the Minister of Infrastructure and Construction of 17 November 2016 regarding national technical assessments (Dz. U. of 2016, Item 1968) by the Building Research Institute in Warsaw, upon application by:

Conecto Profiles Sp. z o.o.
ul. Przemysłowa 39, 61-541 Poznań

National Technical Assessment ITB-KOT-2022/2106, Rev. 1, is a proof of positive assessment of the performance of the following construction products in their intended use:

Waterproof expansion joint profiles
CONECTO PARK SL and GA

This National Technical Assessment is valid until: **9 March 2027**



DIRECTOR
Building Research Institute



PhD Eng. Robert Gerylo

Warsaw, 9 March 2022



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Technical and Test Institute for Construction Prague, SOE

Akreditované laboratoře, Autorizovaná osoba, Notifikovaná osoba, Oznámený subjekt, Subjekt pro technické posuzování, Certifikační orgány, Inspekční orgán / Accredited Laboratories, Authorized Body, Notified Body, Technical Assessment Body, Certification Bodies, Inspection Body • Prosecká 811/76a, Prosek, 190 00 Praha 9, Czech Republic

Notified Body 1020

CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

No. 1020-CPR-070063786

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

In-situ concrete slab permanent joint former

Conecto DOWEL, Conecto SINUS, Conecto OMEGA, Conecto cold storage joints

placed on the market under the name or trade mark of

Conecto Profiles Sp. z o.o.
Przemysłowa 39
61-541 Poznań
Republic of Poland
INN: 383932557

and produced in the manufacturing plant

Conecto Profiles Sp. z o.o.
Beznaťka 20
62-834 Ceków
Republic of Poland

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in

ETA 23/0021, issued on 04/08/2023

and

EAD 200089-00-0302

under system 2+ are applied and that

**the factory production control is assessed
to be in conformity with the applicable requirements.**

This certificate was first issued on 8 December 2023 and will remain valid as long as neither the ETA, the EAD, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.



The stamp of the Notified Body 1020

Ostrava, 8 December 2023

Vojtěch Šebek, M.Sc.
Deputy Manager of the Notified Body





STARLIT PROFILES PRIVATE LIMITED
(India Branch of CONECTO Profiles sp. z.o.o - Poland)

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