

Plaka Dilatec Road Type

Dowel basket for contraction and expansion joints





We are one team. **We are Leviat.**

Leviat is the new name of CRH's construction accessories companies worldwide.

Under the Leviat brand, we are uniting the expertise, skills and resources of Plaka and its sister companies to create a world leader in fixing, connecting and anchoring technology.

The products you know and trust, including Plaka, will remain an integral part of Leviat's comprehensive brand and product portfolio. As Leviat, we can offer you an extended range of specialist products and services, greater technical expertise, a larger and more agile supply chain and better, faster innovation.

By bringing together CRH's construction accessories family as one global organisation, we are better equipped to meet the needs of our customers, and the demands of construction projects, of any scale, anywhere in the world.

This is an exciting change. Join us on our journey.

Read more about Leviat at [Leviat.com](https://www.leviat.com)



Our product brands include:

Ancon


HALFEN

PLAKA



60
locations

sales in
30+
countries

3000
people worldwide

Imagine. Model. Make.

Leviat.com

Dilatec Road Type

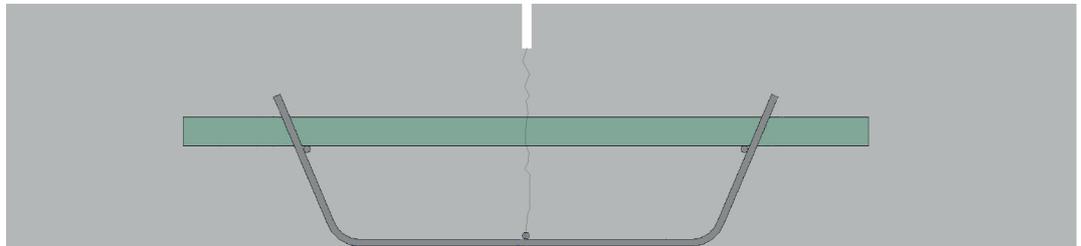
An effective load transfer system for saw cut contraction joints and expansion joints

DILATEC ROAD TYPE is a dowel system to transfer the load across saw cut contraction joints and expansion joints. DILATEC ROAD TYPE is an ideal solution for concrete paved roads, walkways, cycle paths, loading docks, etc.

The unique design of DILATEC basket allows to install the separately delivered epoxy coated dowels. This feature leads in a speedy and accurate installation and reduces the shipping costs.

Advantages

- Ensures dowel alignment is maintained during concrete placement
- Quicker set up time on dowel installation
- Enables continuous pours
- Epoxy coated dowels with durable material
- Rigid basket
- Expansion joint version with adding a layer of high density polyethylene foam



The standard round dowels are made of mild steel with 25mm diameter and 600mm length. They are protected by a thick epoxy coating that is resistant to salt spray tests. Other diameters and lengths can be produced on request.

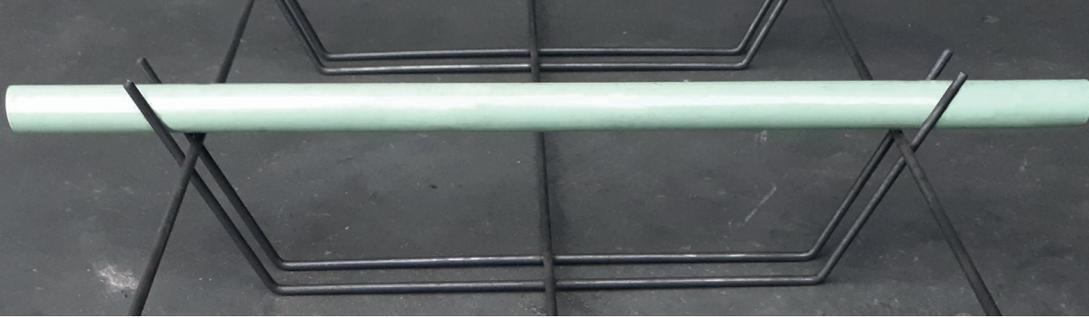
Unique design

The basket is made from 6mm round bars with adequate amount of transverse bars to provide required stiffness and allows for dowel installation. The epoxy coated dowels can be installed simply by pushing them in between the clamps that are formed by the basket bars. The epoxy coated dowels will be debonded from the surrounding concrete with no sleeve required.

Dowel

Properties

Propriétés mécaniques		
Properties	Standard	Value
Tensile strength $R_{m, nom}$	NBN EN 13877-3	> 250 N/mm ²
Epoxy coating	Conform to standard ASTM A 1078/1078M	1600
Coating thickness		> 200 μ m
Color		light green



Dilatec Road Type

Dilatec Road Type for concrete joints

Dowels mounted on support basket. They are held by clamps between the brackets of the basket.

Characteristics	Value
Fixation	By clamping the dowels between the stirrups of the bearing basket
Height of the dowel	± 105 mm

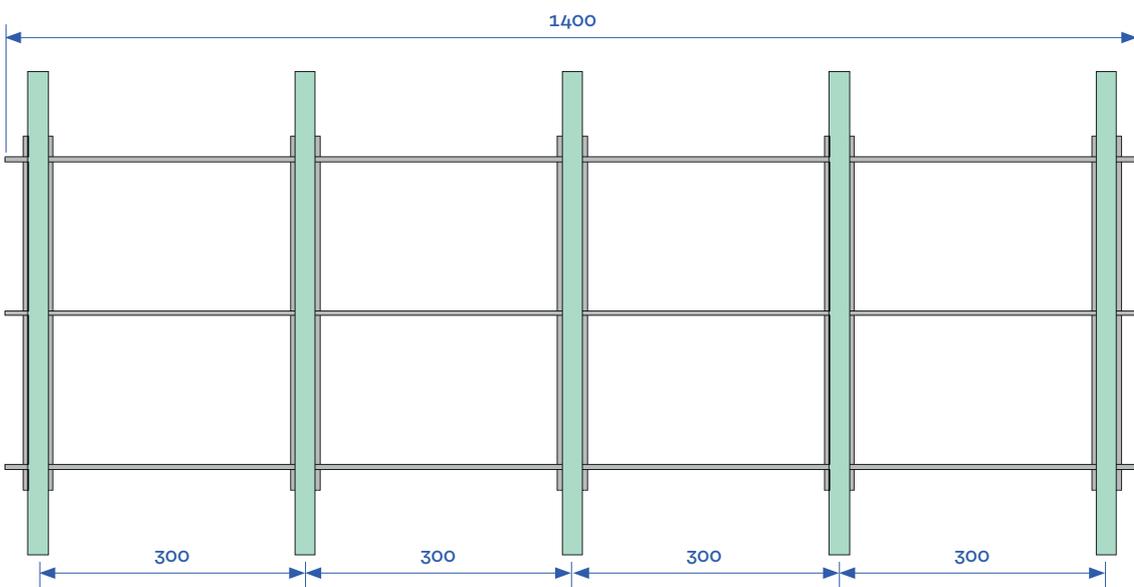
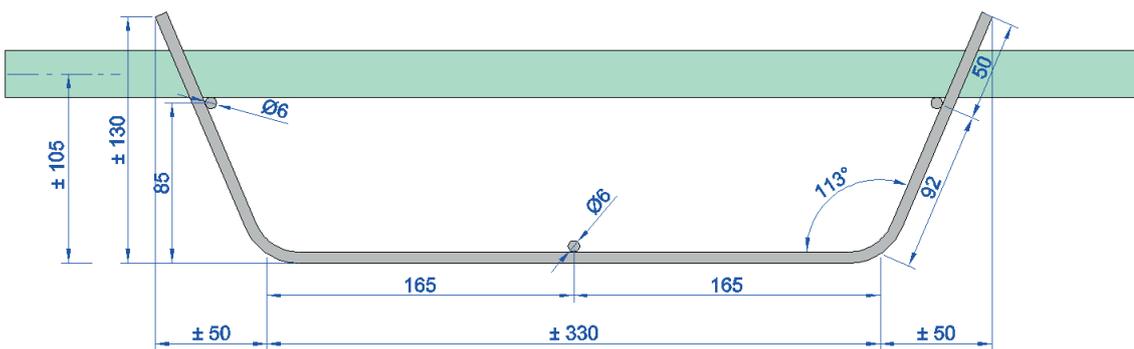
Other dimensions on request

Tests

Durability salt spray tests have been successfully carried out on the epoxy coated dowels according to EN ISO 9227 (§3.2.2).

Individual dowels

Individual dowels can be used for remedial applications. Half of the dowel is anchored in the existing concrete and the other half is embedded in the fresh second phase concrete, with or without expansion filler.

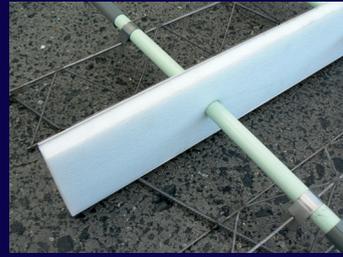


Dilatec Road Type

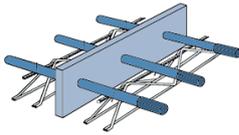
Dilatec Road Type for expansion joints

Dowels mounted on 2 hychairs type « A », with a flexible filling material.

Properties	
Characteristics	Value
Height hychair type "A"	90 mm
Fixation	« V »-shape flat spring
Stiffness of the whole	Realized by mean of horizontal bars welded in diagonal
Standard total height	200 mm
Joint filling	Steel sheet + polyethylene foam 20 mm Maximal dimensions : 2000 x 1200 mm
Characteristics of the filling material	Closed cells extruded foam Density $\geq 55 \text{ kg/m}^3$ Non toxic Odourless 100% recyclable Moisture and mould resistant Free of dust Chemically inert Resistant to most chemicals Air and water tight CFC free Suitable for food contact applications



Dimensions and packing information

Code	Picture	Diameter	Length	Units/Box	Weight
DIL25600PVC		25 mm	600 mm	1	2,36 kg/1
Other dimensions on request.					
Code	Picture	H mm (axis dowel)	L mm / N	Units/Box	Kg/1
DILDU5		100	1400/5	1	14,15
N = Number of dowels per element. (120 units per pallet of 140 x 90 x 180 cm) Other dimensions on request.					
Code	Picture	H mm	L mm / N	Units/Box	Kg/1
DILD P		≤ 200	2000	1	8,70
With 3 dowels diameter 25x600 mm per meter.					

Accessories

Expansion cap to be installed on site at one of at both ends of the dowels, in case of concrete stops and/or expansion joints.

Code	Picture	Type	L mm	units/Box	Kg/100
RS5326		$\varnothing 25$	80	1	1,04

Worldwide contacts for Leviat:

Australia

Leviat
98 Kurrajong Avenue,
Mount Druitt Sydney, NSW 2770
Tel: +61 - 2 8808 3100
Email: info.au@leviat.com

Austria

Leviat
Leonard-Bernstein-Str. 10
Saturn Tower, 1220 Wien
Tel: +43 - 1 - 259 6770
Email: info.at@leviat.com

Belgium

Leviat
Industrielaan 2
1740 Ternat
Tel: +32 - 2 - 582 29 45
Email: info.be@leviat.com

China

Leviat
Room 601 Tower D, Vantone Centre
No. A6 Chao Yang Men Wai Street
Chaoyang District
Beijing · P.R. China 100020
Tel: +86 - 10 5907 3200
Email: info.cn@leviat.com

Czech Republic

Leviat
Business Center Šafránková
Šafránková 1238/1
155 00 Praha 5
Tel: +420 - 311 - 690 060
Email: info.cz@leviat.com

Finland

Leviat
Vädursgatan 5
412 50 Göteborg / Sweden
Tel: +358 (0)10 6338781
Email: info.fi@leviat.com

France

Leviat
6, Rue de Cabanis
FR 31240 L'Union
Toulouse
Tel: +33 - 5 - 34 25 54 82
Email: info.fr@leviat.com

Germany

Leviat
Liebigstrasse 14
40764 Langenfeld
Tel: +49 - 2173 - 970 - 0
Email: info.de@leviat.com

India

Leviat
309, 3rd Floor, Orion Business Park
Ghodbunder Road, Kapurbawdi,
Thane West, Thane,
Maharashtra 400607
Tel: +91 - 22 2589 2032
Email: info.in@leviat.com

Italy

Leviat
Via F.lli Bronzetti 28
24124 Bergamo
Tel: +39 - 035 - 0760711
Email: info.it@leviat.com

Malaysia

Leviat
28 Jalan Anggerik Mokara 31/59
Kota Kemuning, 40460 Shah Alam
Selangor
Tel: +603 - 5122 4182
Email: info.my@leviat.com

Netherlands

Leviat
Oostermaat 3
7623 CS Borne
Tel: +31 - 74 - 267 14 49
Email: info.nl@leviat.com

New-Zealand

Leviat
2/19 Nuttall Drive, Hillsborough,
Christchurch 8022
Tel: +64 - 3 376 5205
Email: info.nz@leviat.com

Norway

Leviat
Vestre Svanholmen 5
4313 Sandnes
Tel: +47 - 51 82 34 00
Email: info.no@leviat.com

Philippines

Leviat
2933 Regus, Joy Nostalg,
ADB Avenue
Ortigas Center
Pasig City
Tel: +63 - 2 7957 6381
Email: info.ph@leviat.com

Poland

Leviat
Ul. Obornicka 287
60-691 Poznan
Tel: +48 - 61 - 622 14 14
Email: info.pl@leviat.com

Singapore

Leviat
14 Benoi Crescent
Singapore 629977
Tel: +65 - 6266 6802
Email: info.sg@leviat.com

Spain

Leviat
Polígono Industrial Santa Ana
c/ Ignacio Zuloaga, 20
28522 Rivas-Vaciamadrid
Tel: +34 - 91 632 18 40
Email: info.es@leviat.com

Sweden

Leviat
Vädursgatan 5
412 50 Göteborg
Tel: +46 - 31 - 98 58 00
Email: info.se@leviat.com

Switzerland

Leviat
Grenzstrasse 24
3250 Lyss
Tel: +41 - 31 750 3030
Email: info.ch@leviat.com

United Kingdom

Leviat
President Way, President Park,
Sheffield, S4 7UR
Tel: +44 - 114 275 5224
Email: info.uk@leviat.com

United States of America

Leviat
6467 S Falkenburg Rd.
Riverview, FL 33578
Tel: (800) 423-9140
Email: info.us@leviat.us

For countries not listed:

Email: info@leviat.com

Leviat.com

Notes regarding this brochure

© Protected by copyright. The construction applications and details provided in this publication are indicative only. In every case, project working details should be entrusted to appropriately qualified and experienced persons. Whilst every care has been exercised in the preparation of this publication to ensure that any advice, recommendations or information is accurate, no liability or responsibility of any kind is accepted by Leviat for inaccuracies or printing errors. Technical and design changes are reserved. With a policy of continuous product development, Leviat reserves the right to modify product design and specification at any time.



**For more information on our solutions,
please contact your Leviat Team:**

Belgium

Ternat

Industrielaan 2, 1740 Ternat

T: +32 (0)2 582 29 45 F: +32 (0)2 582 19 62

Schoten (Halfen)

Borkelstraat 131, 2900 Schoten

T: +32 (0)3 658 07 20 F: +32 (0)3 658 15 33

Visit our website:

plaka-solutions.com