

# Welcome to EUPAVE's 10th workshop on Best Practices

---

Dowels and tie-bars in concrete pavements

# Words of welcome and introduction to the workshop

---

By Luc Rens, Managing Director, EUPAVE

## Our mission

- EUPAVE's mission is
  - to advocate and enable wider use of cement and concrete applications in European transport infrastructure by
    - engaging with EU, national and local decision makers,
    - disseminating technical know-how and communicating benefits and
    - promoting innovation and best practices in the sector.

# EUPAVE's members

- Cembureau
- Cement&Beton Centrum
- FEBELCEM
- GOMACO
- InformationsZentrum Beton
- Holcim
- Oficemen
- Polish Cement Association
- VÖZ



- BETONSUISSE
- Britpave
- Deltabloc
- ERMCO
- Forta
- France Ciment
- GIVASA
- Gütegemeinschaft Betonschutzwand & Gleitformbau e.V.
- Norm Cement
- Power Curbers
- Premcrete
- Somero
- Turkcimento
- Wirtgen



# EUPAVE's partners

- AB-Roads
- Aannemingen Sico
- Besix infra
- Colas Noord
- Chem-crete
- Christian Paglia
- KWS Infra B.V.
- Michael Darter
- MIT Mess- und Prüftechnik GmbH
- Otto Alte-Teigeler GmbH
- Otto Brentzel
- Robuco
- Roos Groep
- Sepehr Ghafari
- Specbea
- Stadsbader
- TRBA
- Willemen Infra
- ZBS
- Zeta Industry



# Previous Workshops on Best Practices

1st workshop on Best Practices in Concrete Paving, 26 May 2015	Achieving and maintaining the evenness of concrete pavement
2nd workshop on BP in CP, 17 February 2016	Joints in concrete pavements
3 <sup>rd</sup> workshop on BP in CP, 23 February 2017	The right concrete mix for the right surface
<b>13<sup>th</sup> International Symposium on Concrete Roads, 2018</b>	
4th workshop on BP in CP, 18 June 2019	Hydraulically Bound Base Layers and RCC pavements
5th workshop on BP in CP, 14 October 2020	Concrete Pavement Preservation
6 <sup>th</sup> workshop on BP in CP, 19 October 2021	Pervious concrete pavements: an overview of European experiences
7 <sup>th</sup> workshop on BP in CP, 19 October 2022	Concrete Overlays
8 <sup>th</sup> workshop on BP in CP, 19 April 2023	Outdoor industrial and heavy-duty concrete pavements
9th workshop on BP in CP, 22 May 2024	Non destructive auscultation and monitoring techniques for concrete pavements



# Dowels and tie-bars

- From a 1970's Belgian pavement course:
  - “No road builder today doubts the usefulness, and even the necessity, of inserting devices in the transverse and longitudinal joints to ensure load transfer. These devices guarantee the preservation of the evenness of the road surface and allow calculations to exclude loads in the corners, which would otherwise require significantly thicker plates. All this was confirmed by the AASHO Road Test....”



# Dowels and tie-bars



- 1972 – construction of motorway E3 Gent-Kortrijk in Belgium



- 1974 – use of dowels

# Dowels and load transfer

- Load transfer is a key aspect for comfortable and long-lasting concrete roads
- EUPAVE will organise a series of events (webinars, discussion workshops...) on this topic



# Our partners, involved in the dowels' and tie-bars' industry



# Programme

Moderation by Mr. Jeroen de Vrieze, Cement&Beton Centrum

<b>13:30 - 14:00</b>	<b>Welcome coffee and registration</b>
<b>14:00 - 14:10</b>	<b>Words of welcome and introduction to the workshop</b> By Luc Rens, Technical Director, EUPAVE
<b>14:10 - 14:30</b>	<b>More than 50 years of reliable load transfer solutions in Europe</b> By Dirk Brentzel, CEO, Otto Brentzel
<b>14:30 - 14:50</b>	<b>Glass fibre reinforced products, are you ready for the future?</b> By Tom Roos, CEO, Roos Groep
<b>14:50 - 15:10</b>	<b>From design to practice</b> By Anne Beeldens, Owner, AB-Roads
<b>15:10 - 15:30</b>	<b>Coffee break</b>
<b>15:30 - 15:50</b>	<b>Never too late for dowels or tie-bars – the techniques of dowel bar retrofitting and cross stitching</b> By Pascal Buys, Owner, Robuco
<b>15:50 - 16:10</b>	<b>Standardisation of dowels – where are we now?</b> By Luc Rens, Technical Director, EUPAVE
<b>16:10 - 16:30</b>	<b>Q&amp;A</b>
<b>16:30</b>	<b>Closing reception</b>

## Practical information

- All participants are muted & camera off
- Questions in the chatbox
- Presentation will be made available afterwards

# More than 50 years of reliable load transfer solutions in Europe

---

By Dirk Brentzel, CEO, Otto Brentzel

# Glass fibre reinforced products, are you ready for the future?

---

By Tom Roos, CEO, Roos Groep

# From design to practice

---

By Anne Beeldens, Owner, AB-Roads

# Coffee break

---

# Never too late for dowels or tie- bars – the techniques of dowel bar retrofitting and cross stitching

---

By Pascal Buys, Owner, Robuco

# Standardisation of dowels – where are we now?

---

By Luc Rens, Technical Director, EUPAVE

# Q/A

---

# Acknowledgements

- All speakers for their tremendous efforts in preparing the presentations and the willingness to share their knowledge and experience with us
- All our Members & Partners for the support to our association
- YOU all, present today, live or online, for showing your interest in EUPAVE and the concrete pavement technology

# Thank you for your participation

---

Subscribe to our newsletter & stay  
up-to-date with our next events!

[WWW.EUPAVE.EU](http://WWW.EUPAVE.EU)