

Welcome to EUPAVE's 11th Workshop on Best Practices

Surface finishing techniques
and decorative concrete

Words of welcome and introduction to the workshop

By Luc Rens, Technical 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.

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
3rd workshop on BP in CP, 23 February 2017	The right concrete mix for the right surface
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
6th workshop on BP in CP, 19 October 2021	Pervious concrete pavements: an overview of European experiences
7th workshop on BP in CP, 19 October 2022	Concrete Overlays
8th 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
10th workshop on BP in CP, 14 May 2025	Dowels and tie-bars in concrete pavements

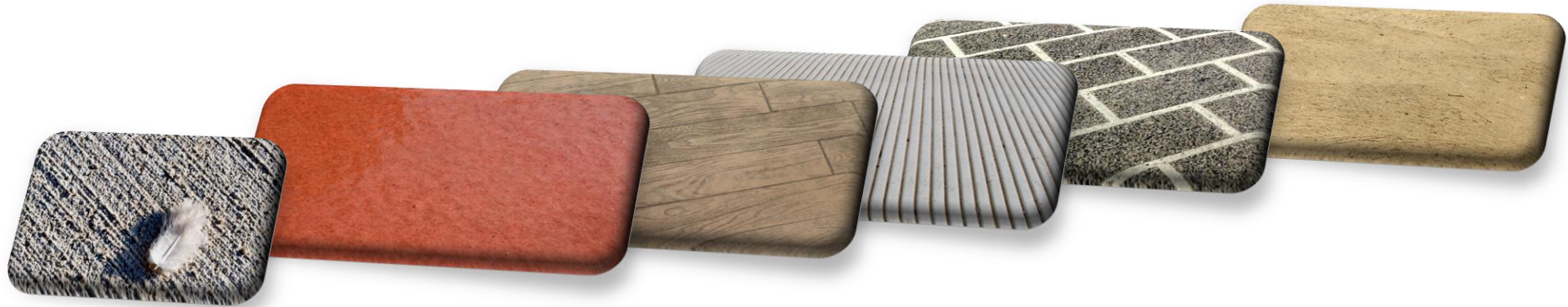


Introduction

- Importance of the quality of the road surface
 - For road users
 - Safe and comfortable roads
 - For the general public
 - Less hindrance by construction, rehabilitation, repair and maintenance
 - Sustainable approach in design, construction and use of the road
 - For road authorities
 - Responsibility
- Surface characteristics



Surface finishing



[Ref: A. Joly, SPECBEA, ppt for the World of Concrete, Paris, 2018]

Transverse brooming

- Most commonly applied texture (manually or mechanically)
- Simple and inexpensive
- Good compromise for noise and skid resistance for secondary roads

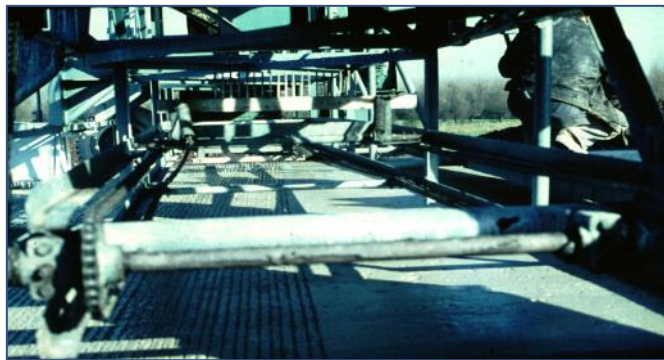


Transverse brooming



Transverse tining (or grooving)

- By mechanical device with a metal rake
- Transversely or skew
- Belgian motorways 1970's
- Good water drainage
- Very noisy (“whine” sound) : no longer applied



Transverse tining (or grooving)

- But still useful for places where slipping is to be prevented and noise is not an issue, because of the low speed



Longitudinal tining

- Best overall performer in the US
 - Lowest sound levels
 - Good friction characteristics
- Importance of the tine pattern and of the concrete mixture (uniform consistence)



Burlap drag

- Moistened coarse burlap
- Shallow longitudinal texture
 - Relatively quiet
 - Possible problems with wet weather friction at high speeds
 - Decrease of friction over time



Burlap drag

- Aesthetical application

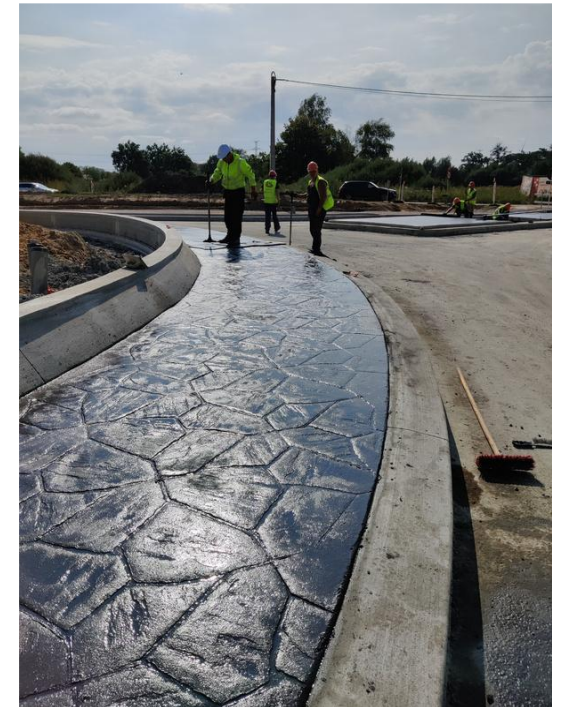


Burlap drag

- Aesthetical application



Surface finishing



Programme

Moderation by Mr. Luc Rens, Technical Director, EUPAVE

13:30 - 14:00

Welcome coffee and registration

14:00 - 14:15

Words of welcome and introduction to the workshop

By Luc Rens, EUPAVE

14:15 - 14:40

Exposed aggregate concrete surfaces for low-noise roadways

By Pascal Buys, Robuco

14:40 - 15:05

Exposed aggregate concrete surfaces for decorative applications

By Nathalie Balfroid, Febelcem

15:05 - 15:30

Concrete surface treatment techniques - part 1 : grinding - grooving - NGCS - high pressure water jetting - horizontal grinding of exposed aggregate surfaces

By Tim Alte-Teigeler, Otto Alte-Teigeler GmbH

15:30 - 15:50

Coffee break

15:50 - 16:15

Concrete surface treatment techniques – part 2 : fine and micromilling – bush hammering – shotblasting – honed and polished concrete

By Luc Rens, EUPAVE

16:15 - 16:40

Pattern imprinted concrete: new Belgian guidelines

By Elia Boonen, Belgian Road Research Centre

16:40 - 16:55

Q&A

16:55 - 17:00

Closing remarks, followed by a reception

By Luc Rens, EUPAVE

Practical information

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

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

Next appointment: EUPAVE Webinar

- Thursday, 2 July 2026, 15:30 CEST
- Stefan Spalt, ASFINAG, Austria
- **Re-recycling of the concrete pavement of motorway A1 in Austria**



And of course...the 15ISCR...time to register

<https://en.concreteroads2026.com/>

15TH INTERNATIONAL SYMPOSIUM ON CONCRETE ROADS

Building the Future on Resilient Concrete Pavements

MÁLAGA ESPAÑA
3-6 NOVEMBER 2026

INVITATION AND PROGRAMME

WELCOME WORDS BY STÉPHANE NICLOUD,
PRESIDENT OF EUPAVE



It is our great pleasure to welcome you to the 15th International Symposium on Concrete Roads in Málaga.

For the third time, Spain hosts this key event for the concrete road community.

From 3 to 6 November 2026, we gather under the motto "Building the future on resilient concrete pavements," highlighting our shared commitment to durable, heavy-duty, and climate-resilient infrastructure, and to the transition towards climate neutrality.

This Symposium offers a valuable opportunity to exchange knowledge, discover the latest innovations, and connect with experts from around the world.

We wish you an inspiring and successful Symposium and a pleasant stay in Málaga.

ORGANIZERS

SUPPORTING ORGANISATIONS

INSTITUTIONAL SUPPORT

Wednesday 4 November 2026			Thursday 5 November 2026				Friday 6 November 2026
HALL A	HALL B	HALL C	HALL A	HALL B	HALL C	Rooms Trinidad 2+3	
9:00 - 10:10 Opening Ceremony			9:00 - 11:00 Workshop Airport Pavements	9:00 - 11:00 Session 6 6 presentations	9:00 - 11:00 Session 7 6 presentations		9:30 Leaving for technical tours
10:10 - 11:10 Coffee break - Opening of the Exhibition			11:00 - 11:30 Coffee break				13:00 Last return to hotel
11:10 - 13:00 Opening session 1 - Keynote speeches			11:30 - 13:00 Workshop Airport Pavements	11:30 - 13:00 Session 8 5 Presentations	11:30 - 13:00 Session 9 5 Presentations	11:30 - 13:00 Workshop Theoretical Design	13:30 End of the Symposium
13:00 - 14:00 Lunch + Networking			13:00 - 14:00 Lunch break + networking				
14:00 - 15:30 Workshop Port and Industrial Concrete Pavements	14:00 - 15:30 Session 2 5 Presentations	14:00 - 15:30 Session 3 5 Presentations	14:00 - 16:00 Workshop Green Roads - Decarbonisation	14:00 - 16:00 Session 10 6 Presentations	14:00 - 16:00 Session 11 6 Presentations	14:00 - 16:00 Workshop Theoretical Design	
15:30 - 16:30 Coffee break + poster sessions	15:30 - 16:30 Poster sessions	15:30 - 16:30 Poster sessions	16:00 - 16:30 Coffee break				
16:30 - 18:00 Workshop Port and Industrial Concrete Pavements	16:30 - 18:00 Session 4 5 Presentations	16:30 - 18:00 Session 5 5 Presentations	16:30 - 18:00 Workshop Green Roads - Decarbonisation	16:30 - 18:00 Session 12 5 Presentations	16:30 - 18:00 Session 13 5 Presentations	16:30 - 18:00 Workshop Theoretical Design	
19:15 Departure from hotel			18:10 - 19:00 Closing Ceremony				
20:00 Gala dinner			19:00 Free evening				

Thank you for your participation

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

WWW.EUPAVE.EU