



RILEM Technical Committee 280-CBE
***Multiphase characterisation of cold bitumen
emulsion materials***

Final workshop, Gdansk, 15 June 2023



Cold bitumen emulsion technologies play a key role in the development of sustainable bituminous pavements because they allow energy savings and reduction of atmospheric pollution. However, their application range is frequently limited due to the lack of fundamental knowledge concerning the mechanical behaviour and the long-term performance of CBE mixtures. RILEM TC 280-CBE aims to foster the use of CBE technologies as a sustainable alternative to traditional hot technologies.

This workshop will summarise the research findings of the TC members, focusing on the fundamental knowledge related to chemical and physical mechanisms that control the long-term performance of CBE materials and on the mix design and performance of slurry surfacings.

Programme of the workshop

- 14:00 **Andrea Graziani** (Università politecnica delle Marche) and **Alan Carter** (École de technologie supérieure): "*Overview of TC CBE, significance, goals and organization*"
- 14:15 **Miomir Miljkovic** (University of Nis): "*Results of TG1 - EMULSIONS AND EMULSION-BASED COMPOSITES*"
- 14:45 **Dawid Sturm** (Bitunova Germany)
- 15:15 Coffee Break
- 15:45 **Cesare Sangiorgi** (Università di Bologna): "*Results of TG2 - COLD BITUMEN EMULSION MIXTURES*"
- 16:15 **Bohdan Dołżycki** (Gdansk University of Technology): "*Polish experience in cold recycling with emulsion*"
- 16:45 **Andrea Graziani**: "*Rheological characterization of CBE mastics and mortars*"
- 17:15 **Alan Carter** and **Andrea Graziani**: "*Discussion and final thoughts*"

Use the following Zoom link to follow the workshop online

<https://etsmtl.zoom.us/j/85337819434?pwd=QURUaE9nT2cvbnM1bFMrSWVYS3MwUT09>

EATA website: <https://eata2023.com/program/#workshops>

All times in Central European Summer Time: GMT+2.00