

IBEF Spring Seminar/Webinar 2024

Resilience, Sustainability, Innovation

The Sustainability White Paper on Asphalt Emulsions: Construction and Content

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THE SUSTAINABILITY WHITE PAPER ON ASPHALT EMULSIONS: CONSTRUCTION AND CONTENT

- How and why was this process started?
- Construction of the Task Group for the White Paper
- Content of the White Paper



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THE SUSTAINABILITY WHITE PAPER ON ASPHALT EMULSIONS: CONSTRUCTION AND CONTENT

- How and Why this process was started?
 - IBEF surveyed and listened to members about the importance of sustainability and producing a white paper
 - IBEF ExCo started the process to construct a white paper on sustainability
 - Task Group formed
 - Task Group met Monthly for almost 1.5 years, with the June 2024 deadline for the white paper



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THE SUSTAINABILITY WHITE PAPER ON ASPHALT EMULSIONS: CONSTRUCTION AND CONTENT

- How and why was this process started?
 - Task Group Construction – Numerous associations and member companies across the globe
 - Xavier Guyot, Etienne Lebouteiller, Hamidreza Sahebzamani, Carl Robertus, Brice Delaporte, Phil Hendricks, Dennis Day, Patricia Lameda Febles, Lucia Miranda Perez, Stephane Charmot, Lucia Miranda Perez, Abdeltif Belkahia, Arlis Kadrmas, Stormy Brewster, Mike Tyree, and George Mariani



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THE SUSTAINABILITY WHITE PAPER ON ASPHALT EMULSIONS: CONSTRUCTION AND CONTENT

- **Content of the White Paper**
 - **Beginning of Construction**
 - **Gathering of Documents and ability to share content with members**
 - **Structure an outline for the document**
 - **Continuously review to make sure that information is available for content**
 - **Define main pillars and sub-pillars for the document**



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THE SUSTAINABILITY WHITE PAPER ON ASPHALT EMULSIONS: CONSTRUCTION AND CONTENT

- Content of the White Paper
 - Three main pillars
 - Pavement Durability
 - Structural Improvement
 - Environmental and Social Impact



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THE SUSTAINABILITY WHITE PAPER ON ASPHALT EMULSIONS: CONSTRUCTION AND CONTENT

- Content of the White Paper
 - Pavement Durability Pillar
 - Prime and Bond Coats
 - Fog seals
 - Surface Dressings (Chip Seals) and Scrub Seals
 - Microsurfacing & Gravel Emulsions
 - Combination Treatments



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THE SUSTAINABILITY WHITE PAPER ON ASPHALT EMULSIONS: CONSTRUCTION AND CONTENT

- Content of the White Paper
 - Structural Improvement Pillar
 - Cold In-Place Recycling (CIR)
 - Cold Central Plant Recycling (CCPR)
 - Base Stabilization and Full Depth Reclamation
 - Cold and Half Warm Recycling
 - Cold Patching



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THE SUSTAINABILITY WHITE PAPER ON ASPHALT EMULSIONS: CONSTRUCTION AND CONTENT

- Content of the White Paper
 - Environment and Social Impact Pillar
 - Saving energy and lowering carbon footprint
 - Recycling Options
 - HSE Benefits
 - Social Impact
 - Economics



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- **Content of the White Paper**
 - **Final Document**
 - **Over 60 papers referenced in the white paper, photos added for emphasis**
 - **Each task group member gave input and wrote sections of the white paper**
 - **Review team looked over document to finalize**
 - **Document sent to editor to make sure it had a very professional look**



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THANK YOU

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