



ART 2025

ART Technical Committee for Cold Recycling

Feedback from 2024/2025

Introduction

- **After the great success of ART2024 the need for a Technical Committee to promote Cold Recycling Technology in Europe was established.**
- **An expression of interest was sent out and 42 volunteers from 10 countries joined the Technical Committee for Cold Recycling**
- **We convened three in person meetings:**
 - RWTH Aachen University in November 2024
 - Belgian Road Research Centre (BRRC) in April 2025
 - BAM Infra Wegen and AsfaltNu in June 2025

Needs Analysis

- During the first meeting a needs analysis was completed to draw up an action plan to promote cold recycling.
- During this process it was realised that there are sufficient guidelines and specification for Asphaltic Type Cold Recycling materials but very little for Non Continuously Bound Type Bitumen Stabilised Materials.
- This lead to a decision to focus on Bitumen Stabilised Materials
- 14 tasks was identified to address the current implementation challenges identified.
- Volunteer groups where formed focussing on the top 5 tasks

Action Plan

#	Challenge	Task Nr.	Proposed Solutions
1	Lack of standard procurement and construction specifications	Task 1	Prepare a database of existing project specifications to address the procurement, construction and the acceptance criteria for in situ and in plant mixes
2	Lack of specifications (material specification, tests, design, monitoring, implementation)	Task 2	Develop a clear and acceptable BSM material definition and classification
		Task 3	How to develop a Guideline on European Level (or series of guidelines) covering: technical specifications of the material and mix (mix components, mix design steps, acceptance criteria), different tests' specifications and pavement design
		Task 4	Develop an implementation road map, including the steps for the full implementation, tests or monitoring program in each step and their acceptance criteria
		Task 5	Identify scientific research gaps in BSM Technology.
3	Lack of EU-level standards	Task 6	Develop and implement a strategy for the development and approval of European norms and standards for material specification, tests and procurement
		Task 7	Prepare the required documents as the EU drafts of the standards according to the developed strategy (task 5) and the produced data during the tasks 1 to 4
4	Lack of Information material	Task 8	Develop and manage a database with information material for use by members
		Task 9	Developed a database of European and International showcase projects
		Task 10	Develop Environmental Project Declarations for in situ and in plant
		Task 11	Develop tool to calculate potential CO2 savings
		Task 12	Develop tool for Life Cycle Analysis
		Task 13	Gather research and if required research leaching potential and prepare a position document on leaching.
5	Lack of United European Voice	Task 14	The Establishment of the European Bitumen Stabilised Material Association

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		Task 5	Identify scientific research gaps in BSM Technology.

Way Forward

- The plan for 2025/2026 is the completion of the current 5 tasks.
- We established an Executive Committee of volunteers to guide and drive this process.

Cold Recycling Executive Committee Members

Contractor	BAM Infrastructure	Marcel Sprenger
Contractor	Holcim UK	Neil Leake
Client Body		
Academic	ISAC RWTH Aachen	Alvaro Garcia
Academic	ISAC RWTH Aachen	Raphael Quirmbach
Academic	Universität Kassel	Ahmed Al-Mohammedawi.
Consultant	Loudon International	Andre Greyling
Equipment or Material	Wirtgen	Martin Diekmann

Way Forward

- **There is a fourth in person Technical Meeting on Wednesday 10 September 2025 at RWTH Aachen University**
- **We would appreciate the help of any additional volunteers that sees the benefit in working towards the wider acceptance of Cold Recycling Technology.**

Questions?

