CemBlend

Transitioning Construction to Low Carbon Alternatives

SPL - Green Roads Ahead

30th January 2025

CemBlend

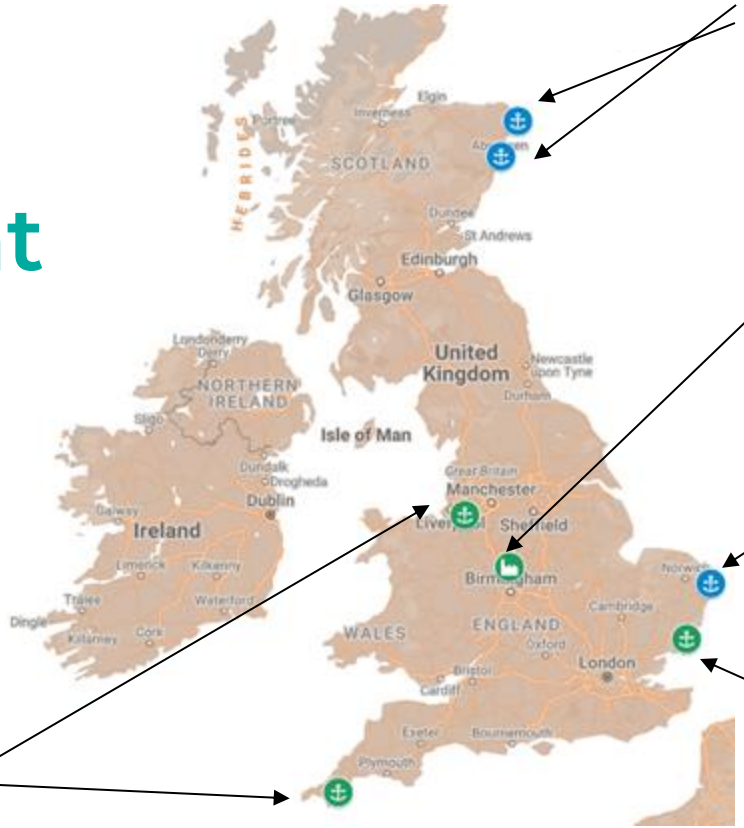
Discussion Points

- About Us
- Availability
- Stabilisation Case Study
- Conclusions

About Us

- Founded in 2020 by Simon Boulter and Matt Cunningham
- Specialist Blending Facility for Customised Blends
- 6 UK import facilities
- Company wide focus on Innovation and Low Carbon blends
- Signed Distribution Contract with Hoffman Green in 2022
- Signed License Agreement with Hoffmann Green in 2024

Footprint



ABZ & PHD terminals circa 2kt storage & Blending @ each

Rugeley Blending Plant Circa 1000t storage

GY terminal circa 2kt storage & Blending

Harwich import terminal Circa 8000t storage

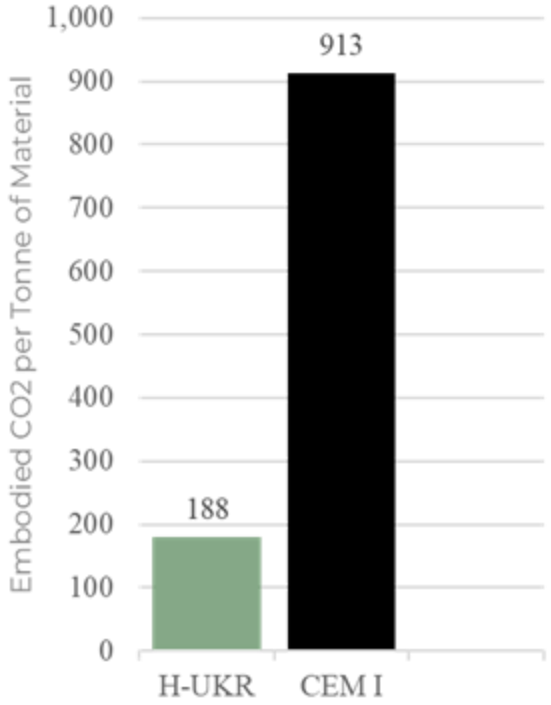
Runcorn & Falmouth terminal circa 5kt storage @ each

Availability

- Available Today - UK Stock Holding
  - 25kg Bags
  - Bulk Bags
  - Bulk Tanker
- Specialist Blending for bespoke blends
- Logistics adds circa 40kg/t eCO2
- UK Production Capacity?

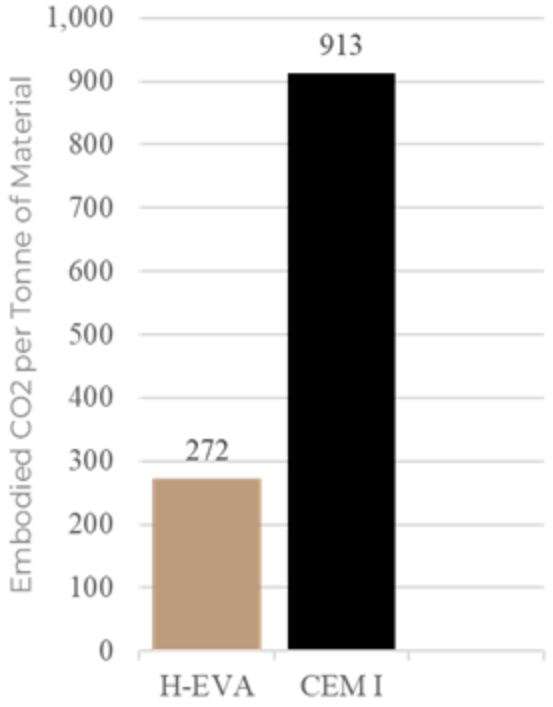
H-UKR

- Contains Zero Cement
- It's an Alkali Activated Cementitious Material (AACM)
- Activated Ground Granulated Blast-furnace Slag (GGBS), a waste product from the Steel Industry
- Has a verified EPD rating of 188kgCO2e



H-EVA

- Contains Zero Cement
- It's an Alkali Activated Cementitious Material (AACM)
- Activated Calcined Clay
- Verified EPD rating of 272kgCO2e



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Case Studies

- Hemspan
- SPL

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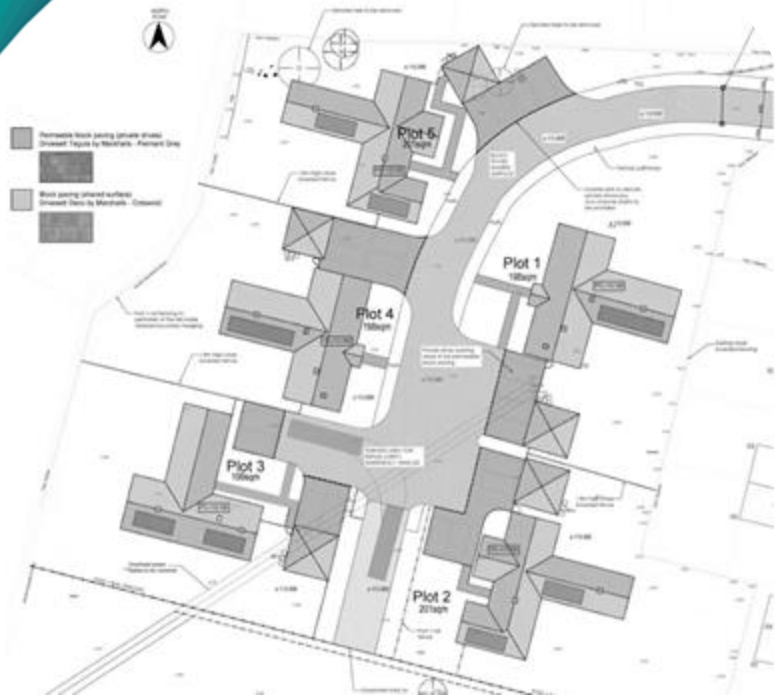
Case Studies

- Hemspan –

Borough Green

H-UKR

Reinforced Passive House Slabs



- Phase 1 consists of 5 plots
- Insulated Raft Foundations with heating
- Average of 55m3 per Foundation
- 13,306kgs of CO2 saved on average per home
- Various Methods of Delivery; Volumetric, Batch Plant, Ready Mix Lorry, Small Site Mixer
- Mix required; Pumpable C30
- Site utilised H-UKR and H-IONA

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Case Studies

- Stabilised Pavements Ltd –

Norfolk June 2023

H-EVA

In Situ Regen Roadway Recycling

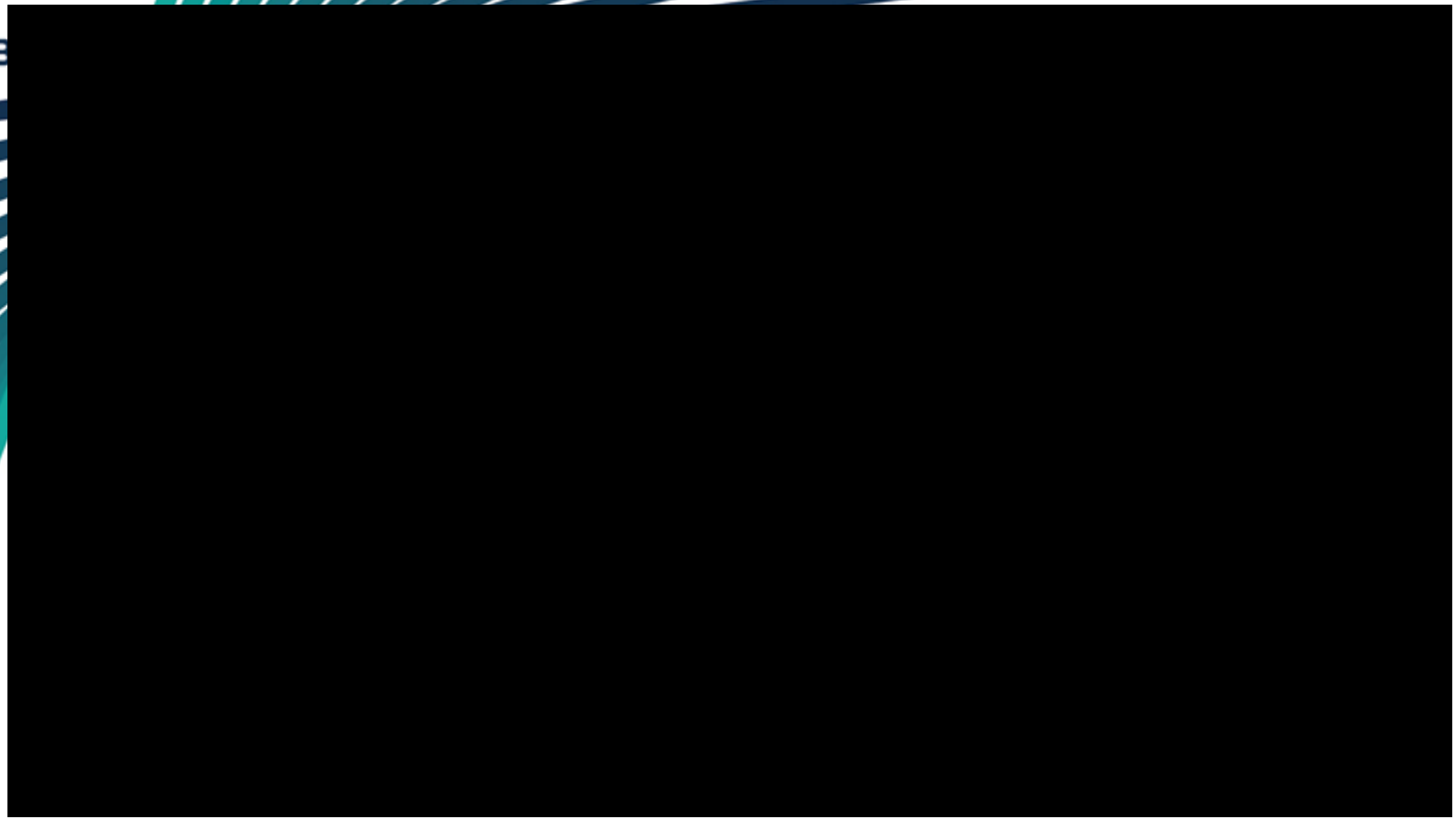
- Stabilised Pavements Ltd –

- Eau Brink Road in Wiggenhall near Kings Lynn
- Recycling to a depth of 150mm
- Binder 2% by volume
- Trial hole and coring analysis determined the material suitability
- Ground Penetrating Radar Survey confirmed suitability for situ works
- SPL and Norse Laboratories will be monitoring the H-EVA performance

- Stabilised Pavements Ltd –

- Operational Equipment was unchanged, a direct like for like substitute
- Performs the same on site as the replaced CEM II
- Significant CO2 Saving

Product	Embodied Carbon (kg/tonne)	Project Footprint (kg/tonne)	Saving over traditional asphalt (kg/tonne)
CEM 2	604	17.7	41.7
H-EVA	272	11.2	48.1



Conclusions

- HGCT produce Zero Clinker, Low Carbon cements
- Cemblend import HGCT products
- UK stocks
- Easy to use
- Immediate availability

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Thank You

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