

A low-carbon aggregate built into real infrastructure

Preserving natural resources, one reborn tonne at a time.

Our Profile

+150

Employees

1.4 Mt

IBA processed per year

10

Processing stationary sites

Reborn Aggregates

Every road tells a story beneath it.

Blue Phoenix was founded on a simple premise: in a world of finite resources, we have a responsibility to give them new life. **Reborn** Aggregates puts that into practice, turning depleted resources once written off as waste into materials that build the roads, platforms and foundations of tomorrow.

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Same performance, different story. The road bears the same weight. The sub-base performs just as reliably. What changes is what lies beneath: materials given new life, not new ground broken to find them.

Why choosing Reborn Aggregates

The UK quarries 164 million tonnes of primary aggregate a year, yet only 31% of supply comes from recycled sources.⁽¹⁾ Global demand is set to nearly double by 2060 on current extraction patterns.⁽²⁾

Reborn IBA Aggregates shift that balance. Every tonne we produce replaces 1.33 tonnes of primary aggregate. In 2025, our 10 UK sites produced 1,154,096 tonnes of IBAA, avoiding the extraction of 1.63 million tonnes of primary material.

In addition, **Reborn** IBA Aggregates is an extremely cost-effective material compared to primary aggregates and is regularly tested to ensure our products meet the requirements outlined in the Specification for Highway Works (SHW) and relevant European standards (EN 13242, 13285, 13043 and 12620). We have supplied **Reborn** Aggregates to more than a thousand road construction and infrastructure projects across the UK.

Our Products

Blue Phoenix in The UK is the largest producer of Incinerator Bottom Ash Aggregates (IBAA) which has been used for over 20 years as a construction material.

Product	Application
Reborn Aggregates MCHW CC 201 6F4	Roads and Footpaths
Reborn Aggregates MCHW CC 201 6F5 (Primary Blend)	Roads and Footpaths
Reborn Aggregates MCHW CC 201 Type 1 (Primary Blend)	Roads and Footpaths
Reborn Aggregates MCHW CC 201 Type 2 (Primary Blend)	Roads and Footpaths
Reborn Aggregates MCHW CC 601 6N	Backfill to Structures
Reborn Aggregates MCHW CC 601 Class 1A	General Fill
Reborn Aggregates 0-20 AGG EN 12620	Concrete products
Reborn Aggregates 0-20 AGG EN 13242	Sub-base



Benefits and sustainability

Improving the circularity of resources is at the core of the Group's business strategy. We believe that a circular economy is necessary to transition to a low-carbon, sustainable future. We process IBA from Energy-from-Waste (EfWs) to produce aggregates in urban located sites, preventing significant GHG emissions from resource extraction, production and transport.

Sustainable building solution, that helps reducing Co2 emissions by 80%*

Preserving Natural Resources by replacing Primary Aggregates with a Low Carbon alternative

Local sourced materials, resulting in diverse environmental benefits

Cost-effective construction alternative solution*

Lower bulk density*: less tonnage needed per m3* equals less vehicle movements

Enhanced performance due to cementitious and mild pozzolanic properties

Reborn
Aggregates

when compared to 10.000 tonnes of primary aggregates:

59

Tonnes of CO₂ saved against primary aggregates

50

Homes annual energy use from CO₂ saved

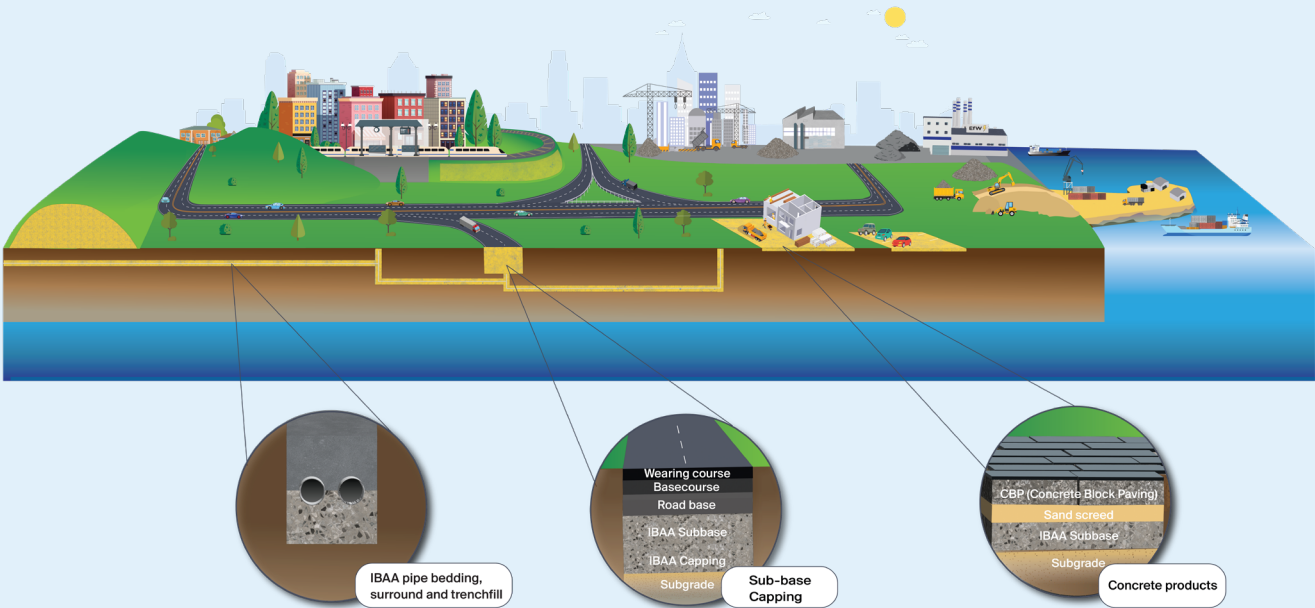
2000

Tonnes of primary resources saved

*When compared against the use of primary aggregates.

NB: The information in the above section is only applicable to 100% IBAA supplies and doesn't take into account the Primary Blend.

Typical applications of Reborn Aggregates



Case Studies

Priors Hall Adoptable Roads - Corby

Material Specification:
SHW 803 Type 1 Granite Blend

Material Volume: 2.600 tonnes

Construction: Adoptable Roads

M62 Smart Motorway Upgrade

Material Specification:
SHW 803 Type 1

Material Volume: 5.000 tonnes

Construction: Upgrading of central reservation

Road construction - Cornwall

Material Specification:
SHW 600 Class 6N

Material Volume: 1.500 tonnes

Construction: Road subbase and capping

London Gateway Infrastructure Upgrade

Material Specification:
SHW 600 Class 1A

Material Volume: 130.000 tonnes

Construction: Infrastructure upgrading



Contact Information

Stephen Lea

Commercial Director

T 07740 563 455

E stephen.lea@blue-phoenix.com

Adam Cocking

National Distribution & Transport Manager

T 07957 917 612

E adam.cocking@blue-phoenix.com

Victoria Kershaw

Customer Service Manager

M 07718 483 296

T 01977 809 426

E victoria.kershaw@blue-phoenix.com

Sam McKenzie

Innovation Lead

T 07957 917 612

E sam.mckenzie@blue-phoenix.com

Northern Sales

Sean Wigley-Smith

Regional Commercial Manager -

Cleveland, Wilton

T 07808 792 955

E sean.wigley-smith@blue-phoenix.com

Neil Grady

Sales Manager - Ferrybridge

T 07519 130 038

E neil.grady@blue-phoenix.com

James Williams

Sales Manager - Ferrybridge

T 07542 609 174

E james.williams@blue-phoenix.com

Peter Dickinson

Sales Manager - Widnes

T 07710 551 941

E peter.dickinson@blue-phoenix.com

Ian German

Sales Manager - Widnes

T 07936 925 959

E ian.german@blue-phoenix.com

Jodie McNulty

Internal Sales Representative

T 07561 853773

Sales North 01977 409423

E jodie.mculty@blue-phoenix.com

Southern Sales

Andy Haslett

Regional Commercial Manager

T 07850 643 674

E andy.haslett@blue-phoenix.com

Luke Mitchell

Sales Manager - Sheffield

T 07702 859 129

E luke.mitchell@blue-phoenix.com

Lyle Muir

Sales Manager - Cornwall

T 07395 793 165

E lyle.muir@blue-phoenix.com

Justin Thorner

Sales Manager - Bristol

T 07562 962 504

E justin.thorner@blue-phoenix.com

Jack Spedding

Internal Sales Representative

T 07715 008 943

Sales South 01977 409424

E jack.spedding@blue-phoenix.com

blue-phoenix.com

E uk.iba.sales@blue-phoenix.com

L linkedin.com/company/blue-phoenix



Reborn
Aggregates