

RECOFOAM[®]

Protecting Nature Whilst
Sustaining Quality





RECOFOAM® SUSTAINABLE COLD MIX MATERIALS

Treated recycled materials are increasingly being used in the construction and maintenance of road pavement structures.

The Recofoam® range offers contracting authorities a simple, efficient, effective and economical pavement refurbishing technique.

The incorporation of 'non-primary' materials offers demonstrable environmental benefits while reducing the use of non-renewable raw materials and the storage of inert materials.

The Recofoam® range includes two grades: Storage and Heavy Duty, both are formulated to meet the requirements of the Specification for Highway Works, Clause 948, Classes B2 and B4 respectively.

► KEY BENEFITS

- **Designed to withstand** heavy traffic
- Low emission, **energy saving** technology
- **Quality** controlled manufacturing

► KEY FIGURES

20 years experience

50% reduction in CO₂e compared to conventional asphalt

Incorporating up to **85% recycled materials**

HIGH QUALITY PAVEMENTS

► FOAM BITUMEN TECHNOLOGY

TARGETED EFFECTIVENESS

The basic principle of Recofoam® is to expand bitumen via contact with small amounts of water under carefully controlled conditions; then mix the foamed bitumen with cold moist aggregate.

The process is based on surface tension: when the bitumen foam collapses the binder grips the fine particles, which in turn forms a strong mortar that encapsulates the coarser particles.

Foamed bitumen provides a uniquely strong adhesive binder system that enables the use of a wider range of new and recycled aggregates. Recofoam® is often as strong, after curing as conventional asphalt alternatives whilst being more rapid curing than emulsion bound materials.

In the case of Recofoam® HD, a hydraulic binder is also included to ensure improved cohesion and immediate strength during the curing process.

Recofoam® is also proven to stabilise and encapsulate asphalt waste containing tar preventing any contamination leaching into the surrounding environment.

PROTECTING THE ENVIRONMENT

The Recofoam® range helps protect the environment, not only by using recycled materials but also through its cold production process.



EXTRAORDINARY PROPERTIES

Both the TRL 611 report and SMART project have shown foam bitumen materials to be direct alternatives to traditional asphalt base and binder course materials in certain applications.

| Storage | Heavy Duty |
|---|--|
| <p>A cold lay low visco elastic material for footways, cycleways and lightly trafficked roads</p> <ul style="list-style-type: none">▶ Can use up to 95% 'non primary' constituents▶ Storage life of 6 to 8 weeks <p><u>Applications</u></p> <ul style="list-style-type: none">- Footways- Minor and rural roads- Cycleways- Emergency repairs | <p>A cold lay quick visco elastic material which can be used as a direct replacement for DBM/ HDM 50 base and binder course materials in all categories of roads. It can also be used as a stabilised FC3 and 4 sub-base layers.</p> <ul style="list-style-type: none">▶ Can use up to 95% 'non primary' constituents <p><u>Applications</u></p> <ul style="list-style-type: none">- Motorways- Trunk roads- Primary high networks including minor roads |

Quality Control

The company ensures the quality of the Recofoam® processes by carefully selecting the constituents and the application technique.

Most recycled pavement materials can be used to produce Recofoam®, provided a prior laboratory study is carried out.



Eurovia UK Ltd
Albion House, Springfield Road
Horsham, West Sussex
Tel: 01403 215800 Fax: 01403 215801
www.eurovia-ringway.co.uk
info@eurovia.co.uk