
m a c i s m o

INTERNATIONAL LTD

**Chemicals, technology & know-how
for road maintenance**



EMULFIX EMULSIFIERS FOR CATIONIC OR ANIONIC BITUMEN EMULSIONS

The EMULFIX range of chemicals are for the emulsification of bitumen used in cold applications such as micro-surfacing, surface dressing, tack coating, in-situ and ex-situ recycling.



CATIONIC or ANIONIC emulsifier for production of slow setting emulsions for use in processes such as slurry sealing, especially for hand applied slurry or machine apply in hot climates.



CATIONIC emulsifier for production of medium setting emulsions for use in processes such as slurry seal and micro asphalt surfacing and in-situ recycling.



CATIONIC emulsifier for production of fast setting emulsions for use in processes such as surface dressing or tack coats.



BREAK CONTROL AGENT for retarding break times of cationic emulsion processes such as slurry sealing and micro asphalt surfacing. This allows areas to be covered by hand application and to control trafficking times.

ASPHIX HEAT STABLE ANTI-STRIPPING AGENT



ASPHIX heat stable anti-stripping agent for the improvement in adhesion of the binder to the aggregate; chemical activity and fluidity can be adjusted according to the customer's requirements. A stripping test can be carried out at our laboratories to assess the aggregate.

MACFIX COLD ASPHALT ADDITIVES

MACFIX COLD ASPHALT is a stockable premium quality product for permanent repairs to pot holes and utility cuts. The cold asphalt can be stored in bulk and has a minimum 2 year shelf life whilst remaining workable in cold weather conditions.



features

- Stockable in bulk
- Long shelf life
- Available in bulk loads or 25kg bags
- Workable at low temperatures down to -10°C
- Permanent repair no re-visits
- Flexible, can be used in asphalt or concrete surfaces
- Durable against rain/freezing damage and rutting.
- Extended range of aggregates can be used
- Emulsion based versions can be mixed on site
- Equipment and labour savings

benefits

- No cutting necessary
- No disposal of cuttings
- No tack coat priming
- No over banding joint sealing
- No heavy compaction equipment necessary
- No trips to the hot mix plant
- No wastage at the end of each day or task
- No heating necessary

MACFIX CONCENTRATE

Can be blended with local raw materials to reduce costs and therefore keeps a premium quality product at an affordable price, our laboratory technicians will work with you to ensure a smooth transition of the technology and production manufacturing technique.



features & benefits

- Can be dosed directly in line to the mixer from a 1,000kg cubic
- No need to pre-blend with bitumen
- No storage tanks are blocked from normal use.
- Local aggregates and bitumen can be used.
- Solvent-free, non-hazardous product.
- High flash ignition point for safety
- Low production temperature for environmental benefit.

KNOW-HOW

Demands for 'end performances' of products and processes in the highways sector along with increased traffic loads have resulted in the need to constantly develop durable but versatile materials.

As contractors in the bitumen and road emulsions industry for more than 20 years, we have first hand experience of the problems that a contractor can be faced with; so we decided to develop our own chemicals and modifications to manufacture products that can meet these demands.



RAW MATERIALS ANALYSIS

The availability of raw materials (especially aggregates) can prove to be a major obstacle for geographical or logistical reasons.

Send us your proposed bitumen or aggregates and using our in-house laboratory and lab mill, we can adapt our chemicals to optimise the relationship between the binder and the stone which, in turn, improves the performance of the end products and processes.

TECHNOLOGY TRANSFER

Using 20 years of our contracting knowledge in various climates, we can provide on site support for our full range of chemicals and additives to ensure that our clients can deliver quality end products and services to their clients.

Complete technology packages from emulsion manufacture through to on-site training for all processes (micro asphalt - in-situ recycling) ensures a smooth transition from beginner to experienced suppliers or contractors who can be confident in the quality of their products.



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