



## *Emcol IRR - a product you can believe in*

Emcol IRR is a cold mix technology developed as an instant and permanent repair to potholes. It requires no heating and is applied direct from the container.

There are 2 major variations of the product, Standard and Fine grade. Standard grade Emcol IRR is used to repair holes over 10mm in depth. Fine grade is used to repair holes over 5mm in depth. However, the product can be adapted to local conditions with Emcol International providing the necessary advice and assistance.



Emcol IRR is black in colour. It is typically marketed in 25kg buckets which have a minimum shelf life of 10 months. In areas that do not have very cold climates and where long storage and presentation are not major considerations, Emcol IRR can be packaged in double skinned sacks.

Emcol IRR has significant advantages over traditional repair methods using hot asphalt. It can be applied in any weather conditions and in temperatures ranging from  $-45^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

Unlike hot asphalt, Emcol IRR requires minimal preparation. There is no need for any mixing, priming or over sealing. Repairs simply involve brushing water and loose debris from the pothole and applying Emcol IRR straight from the container.

Emcol IRR is an instant and permanent repair to potholes. Repairs are immediately open to traffic upon completion and so there is minimal disruption.

Using Emcol IRR also eliminates waste. Once hot asphalt cools it can no longer be used in repairs effectively, however unused Emcol IRR can be stored in a container for use the next day.

Emcol IRR has proven to be a preferred choice for pothole repairs in over 20 countries. It has become such an effective alternative to traditional methods due to its superior performance characteristics and equally important because it is a resource efficient solution and therefore cost effective.

Emcol Mixing Liquid (EML), the binder supplied by Emcol International which gives Emcol IRR many of its performance characteristics is manufactured to ISO 9000 standards. Aggregates and fillers are subject to laboratory analysis by Emcol to ensure they have the properties that will create a high quality repair.



Many of Emcol's licensees have achieved national approval for Emcol IRR in their respective territories which underlines the quality and performance of the product. Emcol's U.K licensee, Tarmac, has had its cold lay material RoadMaster (which uses Emcol Mixing Liquid as its binder) approved by the British Board of Agrément under the Highways Authority Product Approval Scheme (HAPAS).

Emcol IRR has an extensive global presence which dates back in some cases more than 30 years. This is testament to its use and success in more than 20 countries.

At Emcol, we understand that one market is different to another, with cultural differences in each. That is why we allow licensees to market Emcol IRR under their own brand name. This allows licensees to adapt the product name to local trends. Emcol does, however, stipulate that licensees clearly state on product and promotional literature the use of Emcol technology.



Several Emcol licensees not only manufacture and sell Emcol IRR, they also carry out the repairs themselves or through contractors appointed by the licensee, managing the supply and application of the product.