



## MotoBond®

### A premium tack coat for use with MotoPhalt® on racing tracks

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MotoBond® emulsion is a proprietary tack coat developed in response to the risk of asphalt overlay delamination and slippage. As the capabilities of racing vehicles continually improve exposing tracks to higher stresses, MotoBond® emulsion is the next generation of tack coat designed to withstand these shear stresses.

#### What is MotoBond® emulsion?

A tack coat is a bituminous emulsion used to apply a thin layer of bitumen to an existing pavement before the new asphalt is laid and is designed to act as glue between surfaces.

The surfacing requirements of motor racing tracks are different to what is needed for common pavements, so MotoBond® emulsion was formulated and designed to have specific properties other standard tack coats do not.

MotoBond® emulsion is a premium modified bitumen emulsion tack coat, specifically formulated to reduce the risk of track failure by improving the adhesion of MotoPhalt® to the existing pavement.

MotoBond® emulsion also demonstrates superior curing times and exhibits minimal pick up on tyres just 30 minutes after application.



MotoBond® is a registered trademarked product of Fulton Hogan.

# MotoBond®



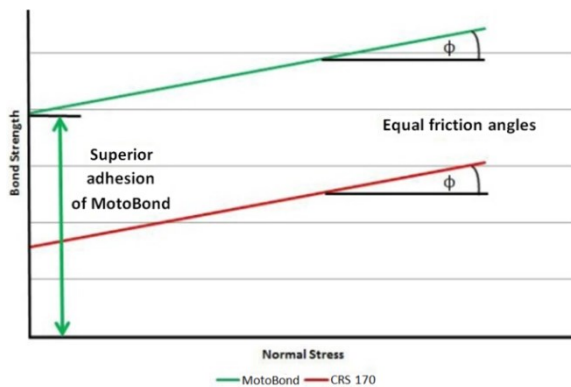
*Pick up on tyres with standard tack coat.*



*Minimal pick up on tyres with MotoBond®.*

## What sets MotoBond® emulsion apart?

- Fast curing
- Minimal pick up
- 4 to 5 times stronger bond than conventional tack coat
- Withstands extreme torsional torque
- Maintains strength during hot weather



*Superior adhesion of MotoBond® emulsion.*



*Application of tack coat to an existing pavement.*

## How MotoBond® emulsion works?

Upon curing, MotoBond® emulsion forms an adhesive bond between the new overlay and the existing pavement. MotoBond® emulsion works by increasing adhesion and friction between the two layers and this is what contributes to bond strength.

MotoBond® emulsion is designed to maintain its strength even when exposed to high temperatures that could severely undermine the adhesive and cohesive properties of a conventional tack coat.

MotoBond® emulsion produces 4 to 5 times greater bond strength compared with conventional tack coats. This enables MotoBond® emulsion to better withstand pavement failures such as delamination caused by extreme torque and braking stresses.

Pavement failures such as surface slips and delamination can adversely affect races and have even led to track closures. It is vital to avoid such situations especially with tracks that are used regularly such as street circuits or during race conditions that require minimal disruption.



*Example of pavement failure: Tracks constructed with regular tack coat can result in pavement delamination due to the extreme pressures inflicted during racing.*

## How to apply MotoBond® emulsion?

MotoBond® emulsion is applied using conventional paving equipment and processes for standard bitumen emulsion tack coat.

For further information you can visit [www.fultonhogan.com](http://www.fultonhogan.com) or contact your nearest Fulton Hogan office

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