



Case study Asphacal® BK

Liquid breaking agent for emulsion technologies

Context

Microsurfacing is manufactured in-situ by blending bituminous emulsion, aggregates, water and additives within specific equipment. They are laid down after mixing in thin layers at a typical dosage from 10 to 20 kg/m².

Microsurfacing is applied for maintenance operations, especially on secondary and urban roads as they improve the waterproofing and superficial properties (skid resistance, noise, superficial drainage...) at a competitive cost.

Their formulation is optimized in order to re-open to traffic a few minutes after laying. As a consequence, the breaking of the emulsion must be well controlled, and this is usually obtained by using a breaking agent such as cement or hydrated lime. However, the use of powdery breaking agents presents difficulties in terms of handling, dust emissions and dosage.

The solution: Asphacal® BK

The liquid breaking agent Asphacal® BK eliminates constraints linked to the use of a powder.

Dosage and handling are greatly simplified and dust emissions are no longer an issue. This represents a major improvement in terms of operators' safety.

Ease of use

Asphacal® BK is a liquid product, supplied in bulk or container which is easily pumped. It might require stirring before use and can be stored several months in a freeze-safe environment. It can be readily blended in the cold formulation, in quantity defined prior to the use by the formulator.



Spreading of microsurfacing



Asphacal® BK

Conclusion

Asphacal® BK represents the ideal solution for contractors who want to combine effectiveness together with ease of use. Asphacal® BK solves dust emission issues and improves road workers safety.



www.lhoist.com
www.asphacal.com