



GO GREEN WITH COLAS

An initiative from Colas Ireland



Versatile application process

COLMAT™ MICROSURFACING

Colmat™ micro-surfacing is a cold-applied thin bituminous overlay that can help road engineers to reduce their carbon footprint.

Micro-surfacing is the ideal solution for re-sealing and re-profiling pavements that are otherwise in a good structural condition. As the aggregates are bound using a bitumen emulsion, it is an entirely cold process with no energy required to heat the aggregates used.

Carbon emission are reduced by at least 70 %, when compared to a conventional hot-mix overlay.

GOOD TO KNOW

- Is used worldwide, under all traffic levels;
- The jobsite can be re-opened to traffic within 1 hour;
- Extends the pavement life by 6 to 10 years;
- Provides an excellent preparation for the surface dressing of rural roads that have a poor surface profile.

70%

reduction

CO₂

Example;

In urban settings, **a saving of 31 tonnes of CO₂ eq. per km of pavement can be achieved**, if we substitute milling out and laying a 3.5 cm of AC 10 surface course hot-mix with a double layer of micro-surfacing – as calculated using the SEVE carbon calculator for a pavement width of 5m.

For rural roads, **a saving of 22 tonnes of CO₂ eq. per km of pavement can be achieved**, if we substitute a 4.5 cm thick layer of HRA surface course hot-mix with a double layer of micro-surfacing – as calculated using the SEVE carbon calculator for a pavement width of 6 m.



WE OPEN THE WAY

Contacts - Colmat Microsurfacing
Gearóid Connor - Contracts Manager
brian.dooley@colas.ie
Brian Dooley - Contracts Manager

gearoid.connor@colas.ie
brian.dooley@colas.ie

Contacts - Go Green with Colas
Brendan O'Connell - Environmental Manager
alan.kavanagh@colas.ie
Alan Kavanagh - Technical Manager

brendan.oconnell@colas.ie
alan.kavanagh@colas.ie