



# GO GREEN WITH COLAS

An initiative from Colas Ireland



Emulsion seals the pavement and glues the chippings to it

## SURFACE DRESSING

In addition to being the most economical, surface dressing is also the most low-carbon option for surfacing Ireland's roads.

The use of bitumen emulsion technology ensures that the aggregates do not need to be heated. Instead, the bitumen emulsion seals the road surface from water ingress, thereby improving the durability of the pavement. A layer of chippings is then bonded to the road surface by the bitumen emulsion.

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

### GOOD TO KNOW

- Over 90% of Ireland's road network is surface dressed;
- Provides the highest level of surface texture and skid resistance;
- Mostly used on non-National roads;
- The process is fully described in the "IAT Guidelines for Surface Dressing in Ireland".



Example;

A saving of 22 tonnes of CO<sub>2</sub> 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 surface dressing - as calculated using the SEVE carbon calculator for a pavement width of 6 m.



WE OPEN THE WAY

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