



GO GREEN WITH COLAS

An initiative from Colas Ireland



A ValorCol™ Pavement in France

VALORCOL™ COLD-MIX ASPHALT

Cold-mix-asphalt is produced by coating aggregates with a bitumen emulsion.

As the name implies, it is an entirely cold process, because the aggregate does not need to be heated.

ValorCol™ cold-mix has an even lower carbon footprint, as 80 to 100% of the aggregate consists of RAP. Carbon emissions are reduced by up to 70 %, when compared to a conventional hot-mix binder course overlay.

GOOD TO KNOW

- RAP can be supplied from returns to the hot-mix plant or from road millings;
- ValorCol™ is mixed using a mobile mixing plant that can be brought to the RAP stockpile;
- The use of valuable raw-materials is significantly reduced;
- Can be used in the base, binder or surface course of low traffic volume roads.



Example;

A saving of 30 tonnes of CO₂ eq. per km of pavement can be achieved, if we substitute a 6 cm thick layer of AC 20 dense bin hot-mix with an 8 cm thick layer of ValorCol™ emulsion bound recycled mix – as calculated using the SEVE carbon calculator for a pavement width of 7 m.



WE OPEN THE WAY

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