

COLD MIX ASPHALT SURFACINGS: EXPERIENCES IN BELGIUM

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ABSTRACT

Cold-mix asphalt surfacings were tried in Belgium on several sites some years ago. An additional reference section in hot-mix asphalt was constructed on each site.

Cold-mix asphalt micro-surfacings are also used for coloured wearing courses. Coloured bituminous surfacings are used to make roads in urban or touristic areas more visually attractive and also for reasons of comfort and safety. In these materials black bitumen is replaced by a translucent synthetic binder, whose colour can easily be modified by pigments.

There are some important advantages by using cold-mix asphalt, mainly:

- it saves energy as neither the binder nor the aggregates need to be heated,
- less polluting as dust production during the manufacture of the mix is reduced.

The report will present the results collected in monitoring the construction and subsequent behaviour of some test sections.

KEY WORDS: Cold-mix asphalt, bitumen emulsion, slurry-seals and micro-surfacings, coloured surfacings, EN 13808