

Title (en)

METHOD FOR THE PREPARATION OF A BITUMINOUS COLD-MIX

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BITUMINÖSEM KALTEINBAUMISCHGUT

Title (fr)

PROCEDE DE FABRICATION D'UN ENROBE BITUMINEUX A FROID

Publication

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Application

EP 04816200 A 20040917

Priority

- FR 2004050444 W 20040917
- FR 0350579 A 20030919

Abstract (en)

[origin: FR2860011A1] Chippings can be pre-coated with a hydrocarbonated binder. After coating, there are one or more stages of heating the surfacing to obtain a rise in temperature of the surfacing of 10-100[deg]C. The temperature is raised to obtain a temperature at the moment of use of 30 to 60[deg]C, preferably 40-60[deg]C, more preferably 50-55[deg]C. The cold surfacing obtained after surfacing is put into operation by spreading it on the road and compacting it. The cold surfacing is heated before and/or during spreading and/or after spreading during compacting. The heating is done by one or more heaters chosen from an infra-red radiator; an ultra-violet radiator; microwave waves; high frequency waves and putting the surfacing in contact with hot air. The binder is chosen from road bitumens; pure bitumens, fluxed or fluidized bitumens, bitumens partially modified by blown bitumen and all combinations of these. The cold bitumen surfacing contains between 5 and 12%, preferably between 7 and 10% chippings by weight. An independent claim is made for a device for the production of the above cold bitumen surfacing, with a hopper for the chippings before coating; a mixer on a lorry or in a fixed position, allowing the chippings to be coated with the binder; an application table allowing the surfacing to be applied to the road; means of transferring the surfacing to the application table, and means of heating the surfacing to a temperature between 10 and 100[deg]C. The heater(s) are by the mixer and/or after the mixer and/or by the means of transfer to the application table. The device also includes means of spreading and then compacting the surface with a heater on the compactor or between the spreader and the compactor.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2005028756A2

Cited by

WO2018055314A2; FR3131920A1; WO2023135400A1; WO2023166264A1; FR3133202A1; WO2011151387A1; US8926741B2; WO2021228895A1; WO2022208035A1; FR3121444A1

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