

Title (en)

METHOD AND DEVICE FOR COLD MIXING OF ROAD SURFACING MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KALTMISCHEN VON FAHRBAHNBELAG

Title (fr)

PROCEDE ET DISPOSITIF POUR LE MELANGE A FROID DE MATERIAU DE REVETEMENT ROUTIER

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9600324A1] The invention relates to a method and a device for continuous cold mixing of road surfacing material. Aggregate is supplied to a hopper (1), is weighed on a belt weigher (3) and conveyed to a screen (6) for separation into different size ranges. The different portions are then supplied to a compulsory mixer (7), in which they are cold mixed with bitumen emulsion. According to the invention, the aggregate is continuously separated into at least three portions which are supplied to the compulsory mixer (7) via different inlets (9a, 9b). The portion having the greatest particle size is first mixed with an excess of bitumen emulsion for this portion. Each aggregate portion of successively decreasing particle size is then separately mixed with an excess of bitumen emulsion for each portion, while they are successively mixed with the already bitumen-mixed aggregate portion/s having a greater particle size. Last, the aggregate portion/s having the smallest particle size/s are mixed with the already bitumen-mixed aggregate portions without additional bitumen emulsion being supplied separately to this or these aggregate portions.

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