

USE OF RECYCLED AGGREGATES FOR COLD BITUMINOUS THIN LAYERS

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ABSTRACT

Cold bituminous thin layers like slurry seal and microsurfacing are often used for rapid and low cost maintenance works of pavement surfaces and the improvement of their skid resistance. The basic materials for the production of such bituminous mixtures are aggregates, bitumen emulsion, water and fillers. This paper presents the results from the use of recycled aggregates concrete (RAC) OR recycled aggregates pavement (RAP) in cold bituminous thin layers or substitute of conventional aggregates fines.

Tests of cold mixtures with recycled aggregates have showed that their use is possible under the presupposition that they comply with specifications. This possibility leads to decrease both the use of virgin aggregates and in a parallel manner the deposits of construction wastes from old concrete or pavement constructions.

KEY WORDS : Aggregate recycling, slurry seal, microsurfacing