

NON-SLIPPING TREATMENT IN THE BITUMINOUS MIXTURES

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ABSTRACT

The bituminous mixes in warm that are in use as cap of tread they are designed in order that they have a good resistance to the slide influencing the road safety. For action of the traffic they can lose adherence due to the polish of the arid component of the same ones.

There are superficial technologies of treatment that promote the resistance to the slide or diminish the polish of the arid, doing the asphalt road surface safer, and therefore, minimizing a corrective action of the not structural failure that represents the presence of a slippery road.

In the project we have used a combination of sizes of particles of bauxite that influences the macro texture and micro ruggedness of the surface, enhancing the non-slipping action of the bituminous mix. The bauxite has been undergone a process of pigmentation, minimizing the colorimetric contrast caused by adding in the surface, generally black, a product like the bauxite, which normally has a clear tonality. With the obtained values in the previous tests, sections of test have been executed, carrying out the evolution of the Skid Resistance Tester (STR) measured with the pendulum of friction of the BPT, to the passage of time.