

PREDICTING THE WEAR CHARACTERISTICS OF IRISH LIMESTONE AC MIXES

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ABSTRACT

This paper summarises a laboratory investigation into predicting the polishing characteristics of Irish Carboniferous limestone. Aggregate was sampled from 10 quarry sources located throughout Ireland. The polished stone value (PSV) was determined for each source. 20mm AC slabs were manufactured using a Cooper roller compactor and subjected to accelerated wear testing using the Road Test Machine located at the University of Ulster. The change in wet skid resistance and texture depth was determined at regular intervals during testing.

KEY WORDS: Limestone, skid resistance, texture depth, simulated wear.