

Griffigkeitsprognose mit dem Verfahren nach Wehner / Schulze

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The aim of the project PROGRIP is the design of a laboratory method for long-term prediction of skid resistance of road surfaces using the testing device according to Wehner / Schulze (PWS). The laboratory method comprises a standardised and modified combination of roughening (by sandblasting) and subsequent polishing by rotating rubber cones. Sand blasted (regenerated) drilling cores serve as testing specimens to calibrate polishing performance in laboratory relating to real traffic load on the road. A first successful correlation between traffic and laboratory polishing allows the conduction of a realistic laboratory simulation and enables skid resistance prognosis depending on expected traffic. Furthermore for the first time a correlation between skid resistance measurements on high level roads carried out by the RoadSTAR (a skid measurement device used in Austria) and laboratory values determined on drilling cores could be established. Therefore laboratory limiting values can be derived from existing limiting values for skid resistance of roads. The project will be continued (PROGRIP II, starting 2018) focusing on gathering of further data for higher significance in correlations and on alternative or complementary methods of regeneration.