



PFT
Portable Friction Tester

Coralba PFT

– effective measuring of skid resistance on road markings

According to the EN1436 standard, the skid resistance of road markings must be measured and follow certain class levels. This has become a big problem due to the dangers and weaknesses of the SRT Pendelum, but with the new revision of EN1436 it is possible to measure skid resistance with more modern equipment like the Coralba PFT.

The Coralba PFT has been developed by VTI (the Swedish National Road and Transport Research Institute) specifically for measuring skid resistance on road markings. It has been developed over a long period of time through field work and it has been validated in numerous research projects.

The Coralba PFT has a number of advantages, which facilitate the implementation of the EN 1436 demands in the field:

- The safety of the operator is higher as he is measuring standing up and is exposed to the traffic during much shorter time.
- It measures continuously at walking speed which makes it possible to gather measurements over a long distance in a short time.
- The time needed for set-up, measuring and exiting the area is very short, which improves the safety of field operators as well as reducing traffic problems.
- The equipment has very high repeatability and is not operator dependent.
- The PFT gathers measurements every 0.1 meter and logs them in memory. The data can be transferred to a computer for reporting and analysing.
- The PFT can be used for measuring any type of road marking, even profiled road marking.
- The PFT bears the Coralba signum of robustness, accuracy and versatility and is easy to operate and calibrate in the field.

Operating Principles:

The PFT is using the fixed slip method, which is also used for measuring skid resistance on road pavement. It has one measuring wheel and two support wheels in order to avoid the measuring wheel forcing the support wheel to skid.

Technical Specification:

Test wheel load:	125 N
Test tyre with traceable, high quality rubber wear course:	4.00–6
Weight:	35 kg
Tyre inflation pressure:	100 kPa
Standard measurement speed:	0.5±0.1 m/s
Minimum measurement distance:	0.1 m
Maximum measurement distance:	175 m
CE compliant	



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