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BRE Screed Tester



The depth of indentation is measured with an electronic depth gauge which has an electronic data recorder available as an option if required. This data recorder simplifies the collection of data as it prints the gauge readings on paper tape. At the end of taking readings, a number of statistical values are then calculated and printed from the data.

Standard

A new British Standard Draft for Development is about to be issued giving guidance on the use of the screed tester for testing floating screeds. Part of this draft calls for the use of a 2kg annular weight in place of the 4kg weight normally used. This weight is now supplied as a standard part of the screed tester kit.

Specification

- Drop weight (normal screeds) 4 kg
- Drop weight (floating screeds) 2 kg
- Drop height 1000 mm
- Contact area of anvil 500 mm²
- Overall dimensions of carrying case 515x375x125 mm
- Weight of BRE screed tester in case 11.75 kg

The Screed Tester comes complete with a calibration certificate traceable to British Standards.

About PCTE

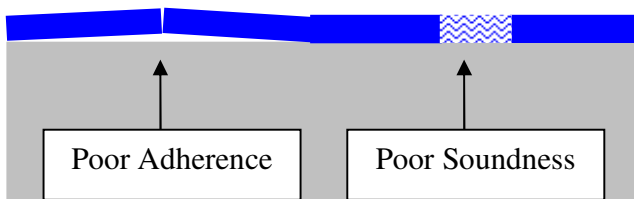
PCTE have over 30 years experience in the measurement and testing of concrete. With experience in research, consulting and construction they are able to assist you in reviewing the issues and developing solutions. PCTE can provide more than just the equipment. They can provide leading technical support for your business.

Other Equipment

The full Proceq range of equipment is available for insitu non destructive concrete measurement, including Schmidt Hammers, Covermeters, Half Potentials, Resistivity, Ultrasonics and Permeability. We also supply Intelli-Rock maturity, temp and humidity logging systems, corrosion rate monitoring equipment, Ground Penetrating Radar, and Impact Echo.

Introduction

A screed is a thin layer of cement paste adhered to a concrete substrate. In most cases this is to give the concrete a decorative appearance but it can also be used to level off the concrete. Possible defects that could be encountered when using this type of finish may be that the screed paste is of low quality and hence does not have the required mechanical properties or that the two layers do not sufficiently adhere to each other. The BRE screed tester offers a method by which the soundness of the screed can be tested insitu. Another test method such as Pull-Off testing would have to be used to check the adherence.



Procedure

The BRE Tester is designed to measure the soundness of a sand / cement floor screed as early as 14 days after laying. The device consists of a 1m long, cylindrical guide rod, along which an annular weight of 4 kg (or 2kg) travels when released. At the bottom of the guide rod the weight strikes the collar of a case-hardened steel anvil which transmits the impact to the selected area of the screed. Four successive impact blows on the same spot are sufficient to test the soundness of the screed.