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Technical Surface Tester PCE-CRC 10

Adhesion Tester PCE-CRC 10
Hatch Cutter to assess the adhesion of coatings /
suitable for thin, thick or tough coatings / large, non-slip
grip / replaceable blade / portableprobe / particularly robust and handy

The Adhesion Tester PCE-CRC 10 was designed to determine the quality of the adhesion of coatings. The Adhesion Tester is suitable for thin, thick or tough coatings on all surfaces. Since the adherence of paintings and other coatings is a crucial product and quality characteristic for their protective effect, adhesion testers are used in a wide range of industries. The adhesion test with the Adhesion Tester is very quick and easy to perform. The coating is scratched crosswise and thereby divided intochessboard-like segments. The large, non-slip grip and movable probe help to create a secure fittingwithout tilting. Then an adhesive tape is applied and removed again. Based on the numbers of brokensegments, the adhesive strength is determined. The Adhesion Tester PCE-CRC 10 is supplied with a11-edged blade; other versions are available as an option. Application areas for the Adhesion Tester, are the paint, coatings, and plastics industries, the processing industry and wherever products are coated. In addition, the adhesive strength tester issuitable for the manufacturer of road marking materials and applicators. The Adhesion Tester is suitable for all layer thicknesses and substrates.

- evaluation of adhesion
- for thin, thick or tough coatings
- large, non-slip grip
- various blades selectable
- replaceable cutting blade
- portable probe
- particularly robust and handy
- including transport case

Technical Specification

Measuring range	to 60 microns thickness
Number of teeth	6 or 11 (depending on the version)
Average distance	1 ... 3 mm (depending on the version)

Choosing the right cross-cut method

- Method A (X-cut) for testing to ASTM D 3359 with layer thickness> 125 µm
- Method B (crosshatch Cross) for testing to ISO 2409 with thickness 0 ... 250 µm and ASTM D 3359with thickness <125 µm

Choosing the right cut distance (Method B)

to EN DIN ISO 2409

Layer thickness	Substratum	Average distance
0...60 µm	hard	1 mm
0...60 µm	soft	2 mm
approx. 60...120 µm	hard or soft	2 mm
approx. 120...250 µm	hard or soft	3 mm

to ASTM D 3359

Layer thickness	Average distance
0...50 µm	1 mm
50 ... 125 µm	2 mm

Delivery Contents

1 x Adhesion Tester PCE-CRC 10 with selected blade, 1x Allen key for blade change, 1x Brush to remove loose particles, 1x Duct tape, 1x Transport case, 1x Instruction manual