

Cross Hatch Cutting Test

SecoTest



Cross Hatch Cutters

- For the assessment of the quality of bond of single- or multi-layer coatings to the substrate
- Robust testers working in compliance with international standards
- Pivotal cutting head for safe positioning
- Ergonomic non-slip grip
- Durable multi-blade cutting head with 6 cutting edges

SecoTest

Application

The condition of a decorative or protective finishing is vital for maintaining the product quality. The better a coating adheres to the substrate, the better its protective properties will be. By means of the cross hatch cutting test, the quality of bond of a coating to the substrate can be assessed.

Description

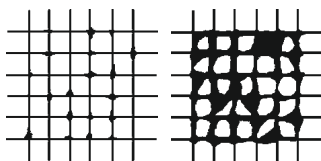
The SecoTest gauges are used to apply a cross hatch pattern by means of a defined cutting head into the coating to be tested. The pattern obtained is examined visually and classified by means of a reference table. According to the standard applied, an identification number is assigned to classify the adhesion properties of the tested coating.

According to model, the SecoTest gauges are suitable for one- or multi-layer coatings (paint, plastics, etc.) on hard substrates such as metal or plastic or on soft materials such as wood or plaster.

A wide range of cutting tools with various numbers of blades and spaces between the blades are available to meet the different requirements according to coating thickness, nature of substrate or standards to be applied.

The SecoTest series offers three models for testing in accordance with DIN EN ISO 2409 and two models according to ASTM D 3359. Both standards are commonly used in a wide field of industrial applications.

A pivotable cutting head for safe and easy positioning without tilting ensures an even and parallel guidance of the blades over the surface to be tested. The ergonomic non-slip grip adds additional comfort to the testing procedure. High-quality multi-blade cutters made of tool steel guarantee a long service life.



Examples for cross hatch patterns after applying the cutting tool.

Supply schedule

- SecoTest gauge with cutting head
- Hex tip screwdriver for changing the blades
- Magnifier for visual inspection
- Brush
- Carrying case
- Operating instructions

Recommended accessories

The spare blades below are available for all SecoTest models:

Item # 70-800-0001	6 x 1 mm	
Item # 70-800-0002	6 x 2 mm	
Item # 70-800-0003	6 x 3 mm	
Item # 70-800-0008	11 x 1 mm	

Standard	Coating thickness / material	Number of blades x space	Model	Item #
DIN EN ISO 2409	up to 60 μm for hard substrates (e.g. metal, plastics, etc.)	6 x 1 mm	SecoTest 1	80-810-0100
DIN EN ISO 2409	up to 60 μm for soft substrates (e.g. wood or plaster)	6 x 2 mm	SecoTest 2	80-810-0200
DIN EN ISO 2409	61 μm to 120 μm for hard and soft substrates	6 x 2 mm	SecoTest 2	80-810-0200
DIN EN ISO 2409	121 μm to 250 μm for hard and soft substrates	6 x 3 mm	SecoTest 3	80-810-0300
ASTM D 3359	up to 50 μm (0 to 2 mils)	11 x 1 mm	SecoTest 4	80-810-0400
ASTM D 3359	51 μm to 125 μm (> 2 mils to 5 mils)	6 x 2 mm	SecoTest 2	80-810-0200