



Cross Hatch Cutter

The Modern Instrument's QFH Cross Hatch Cutter is used for assessing the resistance of paint coatings to separation from substrates when a right angled lattice pattern is cut into the coating, penetrating through to the substrate. It can also be viewed for adhesion between coating layers.

The “Cross Hatch” test has been used widely in various forms in order to assess the adhesion of paint coatings, with either single or multiple cutting edges.

Standards

ASTM D3002

ASTM D3359-B

AS 1580.408.4

BS EN ISO 2409

AS 3894.9

ECCA T6

ISO 2409

ISO 16276-2

JIS 5600-5.6

NF T30-038



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Method of Use

Reference should be made to the relevant National Standard for the detailed test method. The tool should be held with forefinger along the handle, fingertip over and above the cutting edge. The cutter is then carefully and firmly drawn under pressure over the section of coating to be tested to form, by two cross cuts, a square or diamond shaped lattice. The sample area is either given a stiff brushing or (alternatively) adhesive tape is applied, After this, the pattern inscribed is examined in order to define the classification of test results.



Technical Specification

| Name | | Cross Hatch Cutter | | | | |
|----------|-----|--------------------|----------|---------|----------|---------|
| Model | | QFH-1×5 | QFH-1×10 | QFH-2×5 | QFH-2×10 | QFH-3×5 |
| Cuttier. | No | 6 | 11 | 6 | 11 | 6 |
| | Gap | 1mm | 1mm | 2mm | 2mm | 3mm |