

Cross Hatch Cutter

The Cross Hatch Cutter allows an assessment to be made of the adhesion resistance of coatings to separation from substrates when a right-angled lattice pattern is cut into the coating and penetrates through to the substrate.



The coating thickness determines the Cutter size used. The 1mm Cutter is suitable for coatings under 60 Microns. The 2mm Cutter is suitable for coatings over 60 Microns.

Simple operation, each Cross Hatch Cutter has 6 cutting blades spaced either 1mm or 2mm apart. Make one cutting pass through to the substrate. This makes 6 cuts in the coating. A second pass at 90° makes a square lattice pattern. Apply Adhesive Tape over the cut lattice section and within 5 minutes remove tape. Classify the cut area with the Viewing Lens according to the relevant national standard classification guide.

Multiple coatings can be tested for the assessment of the resistance to separation of individual layers of the coating from each other.

Precision-ground, hardened tool steel cutting blades with 6 cutting sides, so that when one cutting side becomes blunt there are a further 5 cutting sides to use.

Supplied in a Carrying Case.

The Cross Hatch Cutter is also available in a Test Kit, comprising Adhesion Test Tape and a X3 Illuminated Magnifier.

Complies with International Standards

BS 3900 E6	DIN EN ISO NF 2409
ASTM D3359	ECCA T-6

Cross Hatch Cutter Specifications

Part No	Cutter Size Metric	Cutter Size Imperial	Coating Thickness	Number of Teeth	Conformance Cert Part No
X2001	1mm	40mils	Under 60µm	8	NXC01
X2002	2mm	80mils	Over 60µm	8	NXC01
X2003	Cross Hatch Cutter Kit (1mm Blade)				NXC01
X2004	Cross Hatch Cutter Kit (2mm Blade)				NXC01
XA001	Adhesion Test Tape 60m Roll (ISO2409)				NXC03