

Cross Cutt Tester TMTECK-120 series

Introduction:

This instrument is widely used to evaluate the adhesion of various coatings. A high precise machined wheel presenting 6 or T11 cutting blades with various spacing is mounted in a handle. The test is carried out by performing 2 series of crossed cuts at right angle. The obtained lattices is either brushed or cleared with adhesion tape. According to the coatings thickness and the related spacing, the results can be classified with reference to a standard scale. It has long life tool with 8 cutting edges and comfortable wood handle. When applied to multi-coat system, assessment of the resistance to separation of individual layers of the coating from each other may be made.

TMTECK-120 Cross Hatch Cutter is designed and manufactured according to ISO 2409-1992, GB/T9286-98, BS 3900 E6 and ASTM D3359 standards.

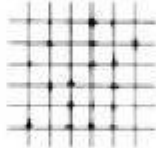
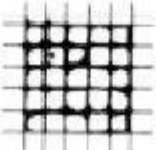
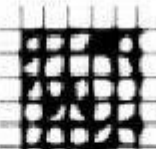
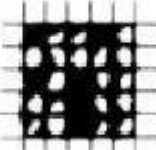


Technical Specification:

| Order model | No. Of Teeth | No. Of Cutting Edges | Cutter Spacing |
|---------------|--------------|----------------------|----------------|
| TMTECK-120/50 | 6 | 8 | 2mm |
| TMTECK-120/60 | 6 | 8 | 3mm |

| Standard Kit | Contain |
|--------------|--|
| TMTECK-120 | Cross Hatch Cutter&Handle Carry Case Hexagonal Screwdriver Brush Magnifier Tape |

Evaluation Criteria of Coating Adhesion Test:

| Description | Performance | Class(ASTM) | Class(ISO) |
|--|---|-------------|------------|
| The edges of the cuts are completely smooth; none of the squares of the lattice is detached | | 5B | 0 |
| Detachment of small flakes of the coating at the intersections of cuts. A cross-cut area not significantly greater than 5% is affected |  | 4B | 1 |
| The coating has flaked along the edges and/or at the intersections of the cuts. A cut area significantly greater than 5%, but not significantly greater than 15% is affected |  | 3B | 2 |
| The coating has flaked along the edges of the cuts partly or wholly in large ribbons, and or it has flaked partly or wholly on different parts of the squares. A cross cut area significant greater than 35% is affected |  | 2B | 3 |
| The coating has flaked along the edges of the cuts in large ribbons and/or same square have detached partly or wholly. A cross-cut area significantly greater than 35%, but not significantly greater than 60% is affected |  | 1B | 4 |
| Any degree of flaking that cannot even be classified | | 0B | 5 |