

WOLF-WILBURN PENCIL HARDNESS TESTER

STANDARDS

ASTM D 3363, BS 3900-E19, ECCA ECCA T, ISO 15184



The purpose of scratch hardness tests is to determine the resistance of coating materials or lacquers to scratch effects on the surface. This test is of particular value for furniture or vehicle lacquers, but is also a useful aid in the development of synthetic resins or other film forming materials.

Generally, scratch hardness is measured by moving a sharp object under a known pressure over the test surface. The result may either be the value of the pressure required to scratch through the test material if a scratching tool of constant hardness is used, or the hardness of the scratching tool is varied while constant 750 g pressure is applied.

- Twenty pencils from grade 9B to 9H are used with a standard holder
- Pencils are moved over the surface under a fixed pressure and a fixed angle - ensuring the least amount of operator error
- Pencils can be easily exchanged to minimize down time during the test



Complete with: Pencil tester, set of 20 pencils from 9B to 9H,
Pencil sharpener, Abrasive 400 grit paper, carrying case