

Pencil Hardness Tester

(Wolff-Wilborn)

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 pressure is applied.

- Twenty pencils (grade 9B to 9H) are used with a standard holder
- Pencils are moved with a fixed pressure of 750 grams and a fixed angle ensuring the least amount of operator error
- Pencils can be easily exchanged to minimize down time during the test



Ordering Information

Cat. No.	Description
5800	Wolff-Wilborn Pencil Hardness
5801	Pencil set (20 pcs), for 5800

Comes complete with:

Pencil hardness tester 5800
 Complete set of 20 pencils from 9B to 9H
 Pencil sharpener
 Abrasive 400 grit paper
 Carrying case
 Operating manual

Standards

ASTM	D 3363
BS	3900-E19
ECCA	ECCA T
ISO	15184
DIN EN	13523/4 :2001-12