

**TQC HARDNESS TEST ACC. WOLFF-WILBORN**

VF2377, VF2378, VF2379

DATASHEET

**PRODUCT DESCRIPTION**

The TQC Pencil Hardness Test according Wolff Wilborn provides in a simple method to test the scratch hardness of coatings. In this test, pencils in a range of 6B to 8H hardness-grade are used. The pencil is moved scratching over the surface under a 45° angle with a constant pressure. Then an optical assessment is carried out to see which pencil hardness damages the surface. Delivered with a set of 20 Koh-i-noor pencils and a pencil sharpener.

**STANDARDS**

ISO 15184, ASTM D3363, JIS K-5600, ECCA-T4-1, BS 3900-E19, SNV 37113, SIS 184187, NEN 5350, MIL C 27 227, JIS K-5400

**STANDARD DELIVERY**

Comes complete with a set of 20 Koh-I-Noor pencils in an aluminum metal box and a pencil sharpener.

**TECHNICAL SPECIFICATIONS****VF2377**

TQC Pencil Hardness Test (750g + 1000g)

Complies with: ISO 15184, ASTM D3363, JIS K-5400, JIS K-5600, ECCA-T4-1, BS 3900-E19, SNV 37113, SIS 184187, NEN 5350, MIL C 27 227

**VF2378**

TQC Pencil Hardness Test according Wolff Wilborn (750g)

Complies with: ISO 15184, ASTM D3363, JIS K-5600, ECCA-T4-1, BS 3900-E19, SNV 37113, SIS 184187, NEN 5350, MIL C 27 227

Calibration Certificate: included

**VF2379**

TQC Pencil Hardness Test according Wolff Wilborn (500g) There is no standard applicable however the film industry and the LCD industry have their own standard (regulation) to inspect with the load of 500g based on the text of JIS-K5600 (ISO 15184)

Pencils vary from 8B to 10H. (8B, 7B, 6B, 5B, 4B, 3B, 2B, B, HB, F, H, 2H, 3H, 4H, 5H, 6H, 7H, 8H, 9H, 10H).

**OPTIONAL ITEMS**

**VF1000:** Pencil set for Wolff-Wilborn in alu box, 20 pcs 8B - 10H.

**VF1003:** Pencil sharpener for Wolff-Wilborn

## **SPECIAL CARE**

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- Though robust in design, this instrument is precision-machined. Never drop it or knock it over
- Always clean the instrument after use. Clean the instrument using a soft dry cloth.

## **DISCLAIMER**

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The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.