BAKER FILM APPLICATOR VF2145, VF2146, VF2147, VF1500, VF1501, VF1502, VF1510, VF1515, VF1560, VF1520, VF1521, VF1522, VF1523, VF1525, VF1526, VF1527, VF1528

DATASHEET

PRODUCT DESCRIPTION

Cylindrical film applicator with 4 application sides for applicating paint-films of 4 different pre-defined thicknesses. The Baker applicator's are available in film width 60 mm and 80 mm and are suitable for applying a host of different products onto flat and relatively solid substrates. Since it is made out of high-grade stainless steel, the Baker Film Applicator will not be affected by acid or base elements.

BUSINESS

Coating Laboratories, Paint Production

STANDARDS

ASTM D 3022 ASTM D 823
Look up the standard for a correct execution of the test.

SCOPE OF SUPPLY

- Baker Film Applicator
- Protective plastic case
- Calibration certificate

ORDERING INFORMATION

VF2145	Baker applicator 60mm, 15/30/60/90µm
VF2146	Baker applicator 60mm, 30/60/90/120µm
VF2147	Baker applicator 60mm, 50/100/150/200µm
VF1500	Baker film applicator 80mm, 15/30/60/90µm
VF1501	Baker film applicator 80mm, 30/60/90/120µm
VF1502	Baker film applicator 80mm, 50/100/150/200µm
VF1510	Baker film applicator width 60mm, 4 gaps as desired , max. gap size 2000µm
VF1515	Baker film applicator width 80mm, 4 gaps as desired, max. gap size: 2000µm
VF1560	Baker film applicator width 80mm, 2x90µm / 2x150µm (special diameter: 18mm instead of 27mm)
VF1520	Baker film applicator width 100mm, 4 gaps as desired, max. gap size 2000µm
VF1521	Baker film applicator width 100mm, gaps 15/30/60/90µm
VF1522	Baker film applicator width 100mm, gaps 30/60/90120µm
VF1523	Baker film applicator width 100mm, gaps 50/100/150/200µm
VF1525	Baker film applicator width 150mm, 4 gaps as desired, max. gap size: 2000µm
VF1526	Baker film applicator width 150mm, gaps 15/30/60/90µm
VF1527	Baker film applicator width 150mm, gaps 30/60/90120µm
VF1528	Baker film applicator width 150mm, gaps 50/100/150/200µm

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ACCESSORIES

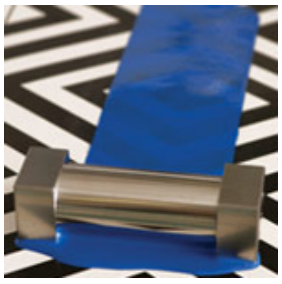
VF1601	Application Table 380 x 230mm
VF1602	Application Table 230 x 160mm
VF2343	Test charts A6, White/Black B+, with optical brightener, 250pcs
VF2344	Test charts A5, White/Black B+, with optical brightener, 250pcs
VF2345	Test charts A4, White/Black B+, with optical brightener, 250pcs
VF2346	Test charts A5, Black/White chequered B+, with optical brightener, 250pcs
VF2347	Test charts A4, Black/White chequered B+, with optical brightener, 250pcs
VF2354	Test charts A3, Black/White chequered B+, with optical brightener, 250pcs
VF2317	Test charts A6, White/Black B-, without optical brightener, 250pcs
VF2319	Test charts A5, White/Black B-, without optical brightener, 250pcs
VF2321	Test charts A4, White/Black B-, without optical brightener, 250pcs
VF2323	Test charts A5, Black/White chequered B-, without optical brightener, 250pcs
VF2325	Test charts A4, Black/White chequered B-, without optical brightener, 250pcs

SPECIFICATIONS

Material	: DAIDO 440C medical grade Martensitic stainless tool steel. Sub Zero Vacuum hardened (+1756°C to -70°C), hardness HRC 55 (through hardened*) & tempered.
Surface treatment	: polished
Overall accuracy	: ± 2 µm.
Accuracy	: better than 3 micron
Outer dimensions	: 100 x 22 x 22 mm / 120 x 22 x 22 mm

*Through hardening versus Case-hardening or surface hardening.
Through-hardening means the metal uniformly is hardened throughout the piece. Case- or surface (face / frame) hardening only hardens the top layer of the metal. Once the top layer is degraded excessive wear and tear will occur on the product limiting its life time and affecting accuracy.

USE



Select the appropriate gap and place the applicator on a plane smooth surface such as a glass plate. Apply a sample of paint in the centre of the Baker applicator near the correct opening. Draw down the applicator over the surface.
Due to physical reasons the max. film attainable wet film thickness is not equal to the gap depth. Deposited film thickness may vary from 40% to 80% of the clearance/gap depth. Dry film thickness will be lower than wet thickness due solvent/water evaporation.

SPECIAL CARE

- Though robust in design, this instrument is precision-machined. Never drop it or knock it over
- Always clean the instrument after use.
- Only use non-corrosive solvents to clean the instrument. Use a soft, non-abrasive cloth to dry it.
- Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.

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- When stored for a long period of time, wrap the instrument in oil paper
- We recommend annual calibration.

DISCLAIMER

The right of technical modifications is reserved.

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.

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