4-SIDED FILM APPLICATOR (QUADRUPLEX)

VF2167, VF2168, VF2169, VF2170, VF2172, VF2173, VF2174, VF2175

DATASHEET

PRODUCT DESCRIPTION

The 4-Sided Film Applicator (Quadruplex) has four application sides for applying paint films with four different predefined thicknesses, in film width 60 or 80 mm. One side of the applicator is supplied with a guidance support for straight application. This support may be removed as well. The high grade stainless steel will not be affected by acid or base elements.

BUSINESS

Coating Laboratories, Paint production

STANDARDS

ASTM D 823

SCOPE OF SUPPLY

- 4-Sided Film Applicator (Quadruplex)
- Calibration Certificate
- Protective case

ORDERING INFORMATION

VF2167 4-Sided film applicator (Quadruplex) width 60mm, with 4 gaps as desired, max gap size 2000 µm
VF2168 4-Sided film applicator (Quadruplex) width 60mm, with 4 gaps: 15/ 30/ 60/ 90 µm
VF2169 4-Sided film applicator (Quadruplex) width 60mm, with 4 gaps: 30/ 60/ 90/ 120 µm
VF2170 4-Sided film applicator (Quadruplex) width 60mm, with 4 gaps: 50/ 100/ 150/ 200 µm
VF2172 4-Sided film applicator (Quadruplex) width 80mm, with 4 gaps as desired, max gap size 2000 µm
VF2173 4-Sided film applicator (Quadruplex) width 80mm, with 4 gaps: 15/ 30/ 60/ 90 µm
VF2174 4-Sided film applicator (Quadruplex) width 80mm, with 4 gaps: 30/ 60/ 90/ 120 µm
VF2175 4-Sided film applicator (Quadruplex) width 80mm, with 4 gaps: 50/ 100/ 150/ 200 µm

ACCESSORIES

VF1601 Application Table 380 x 230 mm
VF1602 Application Table 230 x 160 mm
VF2343 Test charts A6, White/Black B+, with optical brightner, 250pcs
VF2344 Test charts A5, White/Black B+, with optical brightner, 250pcs
VF2345 Test charts A4, White/Black B+, with optical brightner, 250pcs
VF2346 Test charts A5, Black/White chequered B+, with optical brightner, 250pcs
VF2347 Test charts A4, Black/White chequered B+, with optical brightner, 250pcs
VF2354 Test charts A3, Black/White chequered B+, with optical brightner, 250pcs

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VF2317 Test charts A6, White/Black B-, without optical brightner, 250pcs
VF2319 Test charts A5, White/Black B-, without optical brightner, 250pcs
VF2321 Test charts A4, White/Black B-, without optical brightner, 250pcs
VF2323 Test charts A5, Black/White chequered B-, without optical brightner, 250pcs
VF2325 Test charts A4, Black/White chequered B-, without optical brightner, 250pcs

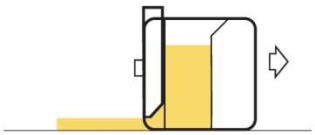
SPECIFICATIONS

Material:	ASAB Stavax ESR medical grade stainless tool steel. Sub Zero Vacuum hardened (+1756°C to -70°C), hardness HRC 55 (through hardened*)
Accuracy :	better than 3 micron
Surface treatment:	polished
Overall accuracy:	± 2 µm
Outer dimensions :	75 x 20 x 25 mm / 115 x 20 x 20 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 Quadruplex 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.
- 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

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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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