

## Baker Film Applicator

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

Cylindrical film applicator with 4 application sides for applying 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.

### Ideal for

Coating Laboratories, Paint Production.

### Standards

ASTM D 3022 ASTM D 823

Look up the standard for a correct execution of the test.

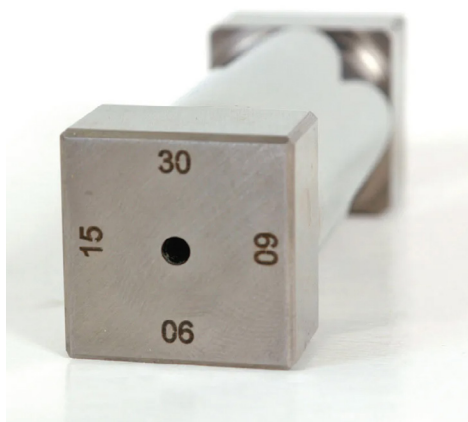
### Scope of Supply:

- Baker Film Applicator
- Protective plastic case
- Calibration certificate

### 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.



### Ordering Information:

Catalog Number	Article Description
VF2145	Baker applicator 60 mm, 15/30/60/90 µm
VF2146	Baker applicator 60 mm, 30/60/90/120 µm
VF2147	Baker applicator 60 mm, 50/100/150/200 µm
VF1500	Baker film applicator 80 mm, 15/30/60/90 µm
VF1501	Baker film applicator 80 mm, 30/60/90/120 µm
VF1502	Baker film applicator 80 mm, 50/100/150/200 µm
VF1510	Baker film applicator width 60 mm, 4 gaps as desired, max. gap size 2000 µm
VF1515	Baker film applicator width 80 mm, 4 gaps as desired, max. gap size: 2000 µm
VF1560	Baker film applicator width 80 mm, 2x90 µm/2x150 µm (special diameter: 18mm instead of 27 mm)
VF1520	Baker film applicator width 100 mm, 4 gaps as desired, max. gap size 2000 µm
VF1521	Baker film applicator width 100 mm, gaps 15/30/60/90 µm
VF1522	Baker film applicator width 100 mm, gaps 30/60/90/120 µm
VF1523	Baker film applicator width 100 mm, gaps 50/100/150/200 µm
VF1525	Baker film applicator width 150 mm, 4 gaps as desired, max. gap size: 2000 µm
VF1526	Baker film applicator width 150 mm, gaps 15/30/60/90 µm
VF1527	Baker film applicator width 150 mm, gaps 30/60/90/120 µm
VF1528	Baker film applicator width 150 mm, gaps 50/100/150/200 µm

## Accessories:

Catalog Number	Article Description
VF1601	Application Table 380x230 mm
VF1602	Application Table 230x160 mm
VF2343	Test charts A6, White/Black B+, with optical brightener, 250 pcs
VF2344	Test charts A5, White/Black B+, with optical brightener, 250 pcs
VF2345	Test charts A4, White/Black B+, with optical brightener, 250 pcs
VF2346	Test charts A5, Black/White chequered B+, with optical brightener, 250 pcs
VF2347	Test charts A4, Black/White chequered B+, with optical brightener, 250 pcs
VF2354	Test charts A3, Black/White chequered B+, with optical brightener, 250 pcs
VF2317	Test charts A6, White/Black B-, without optical brightener, 250 pcs
VF2319	Test charts A5, White/Black B-, without optical brightener, 250 pcs
VF2321	Test charts A4, White/Black B-, without optical brightener, 250 pcs
VF2323	Test charts A5, Black/White chequered B-, without optical brightener, 250 pcs
VF2325	Test charts A4, Black/White chequered B-, without optical brightener, 250 pcs

### Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

## Technical Specification:

<b>Material:</b>	DAIDO 440C medical grade Martensitic stainless tool steel. Sub Zero Vacuum hardened (+1756 °C to -70 °C), hardness HRC 55 (through hardened*) & tempered.
<b>Surface treatment:</b>	Polished
<b>Overall accuracy:</b>	± 2 µm.
<b>Accuracy:</b>	Better than 3 micron
<b>Outer dimensions:</b>	100x22x22 mm/120x22x22 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.

### 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

### Contact Details

**web.** [www.industrialphysics.com](http://www.industrialphysics.com)  
**email.** [info@industrialphysics.com](mailto:info@industrialphysics.com)  
**email.** [info.china@industrialphysics.com](mailto:info.china@industrialphysics.com)