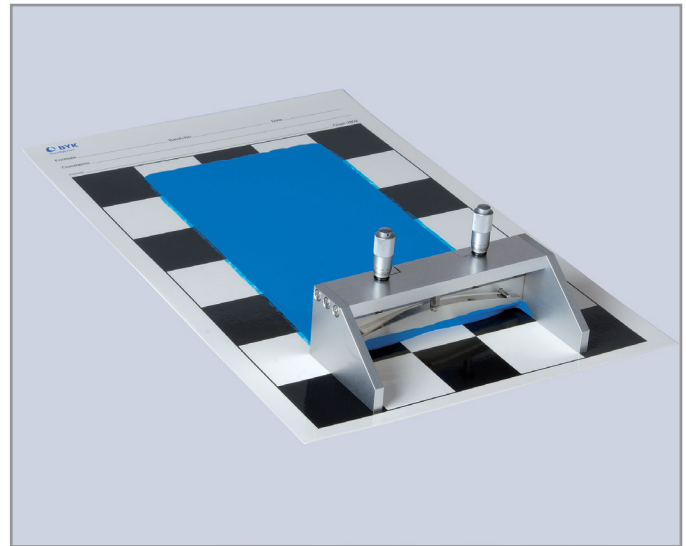


Paint Applicator – variable gaps

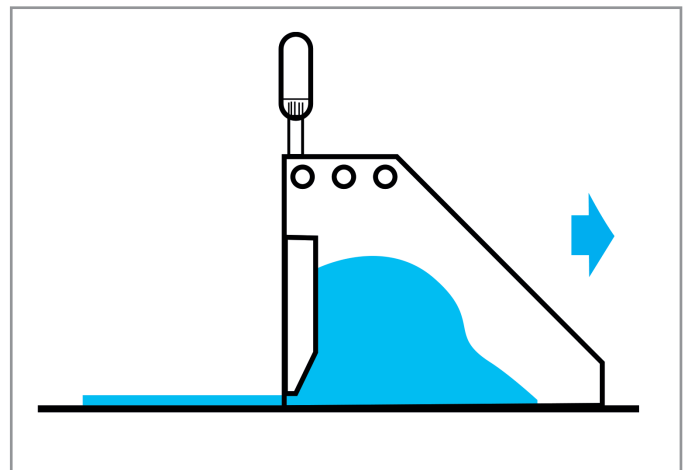
The BYK-Gardner Film Casting Knife is an adjustable clearance film applicator. Its extended end plates confine the coating sample during drawdown. The micrometer adjusted gate allows clearance / gap settings from 0 to 150 mils in 1 mil increments. Metric versions produce clearances / gaps of 0 to 3800 microns in 10 micron increments.

The applicator consists of two end plates joined by a bridge and an adjustable blade below the bridge. Two micrometers extend through the bridge and contact the upper edge of the blade, allowing it to be adjusted upward or downward to control the gap and ultimately the film thickness. The blade and end plates are constructed of 6.4 mm (1/4 in) aluminum. The end plates effectively contain the sample pool during the drawdown process.



Adjustable gap clearances for maximum flexibility

- Available for gap clearances from 0 to 150 mil or 0 to 3800 μm
- Uses highly precise micrometers to set the gap clearance
- Large selection of film widths



Standards

ASTM D823

Catalog Number	Short Description	Gap Clearance Range	Blade Width	Measurement Unit	Weight		Dimensions: L x W x H	
2325	Film Casting Knife, 5 cm	0 - 3800 µm	5.1 cm	microns	0.5 kg	1.2 lb	7.6 x 6.4 x 10 cm	3 x 2.5 x 4 in
2326	Film Casting Knife, 10 cm	0 - 3800 µm	10.2 cm	microns	0.7 kg	1.6 lb	7.6 x 11.4 x 10 cm	3 x 4.5 x 4 in
2327	Film Casting Knife, 15 cm	0 - 3800 µm	15.2 cm	microns	0.8 kg	1.8 lb	7.6 x 16.5 x 10 cm	3 x 6.5 x 4 in
2328	Film Casting Knife, 20 cm	0 - 3800 µm	20.3 cm	microns	1 kg	2.1 lb	7.6 x 21.6 x 10 cm	3 x 8.5 x 4 in
2329	Film Casting Knife, 30 cm	0 - 3800 µm	30.5 cm	microns	1.2 kg	2.8 lb	7.6 x 31.8 x 10 cm	3 x 12.5 x 4 in
4301	Film Casting Knife 2"	0 - 150 mil	2 in	mils			7.6 x 6.4 x 10 cm	3 x 4 in
4302	Film Casting Knife 4"	0 - 150 mil	4 in	mils	0.7 kg	1.6 lb	7.6 x 11.4 x 10 cm	3 x 4.5 x 4 in
4303	Film Casting Knife 6"	0 - 150 mil	6 in	mils	0.8 kg	1.8 lb	7.6 x 16.5 x 10 cm	3 x 6.5 x 4 in
4304	Film Casting Knife 8"	0 - 150 mil	8 in	mils	1 kg	2.1 lb	7.6 x 21.6 x 10 cm	3 x 8.5 x 4 in
4305	Film Casting Knife 12"	0 - 150 mil	12 in	mils	1.2 kg	2.8 lb	7.6 x 31.8 x 10 cm	3 x 12.5 x 4 in

Delivery Content

Applicator
Reusable Storage Case

Catalog Number	Short Description	Delivery Content
11210	Glass Drawdown Plate 14" X 16"	
4262	Drawdown Plate, Glass	
3876	Vacuum Plate S, black anodized, 9x12"	Vacuum plate 2 x Hose fitting (one to fit 1/4" tubing and one for 3/8" tubing) Rubber footings
3882	Vacuum Plate, Stainless Steel 9x12"	Vacuum plate 2 x Hose fitting (one to fit 1/4" tubing and one for 3/8" tubing) Rubber footings
11205	Vacuum Plate, Aluminum 12x18"	