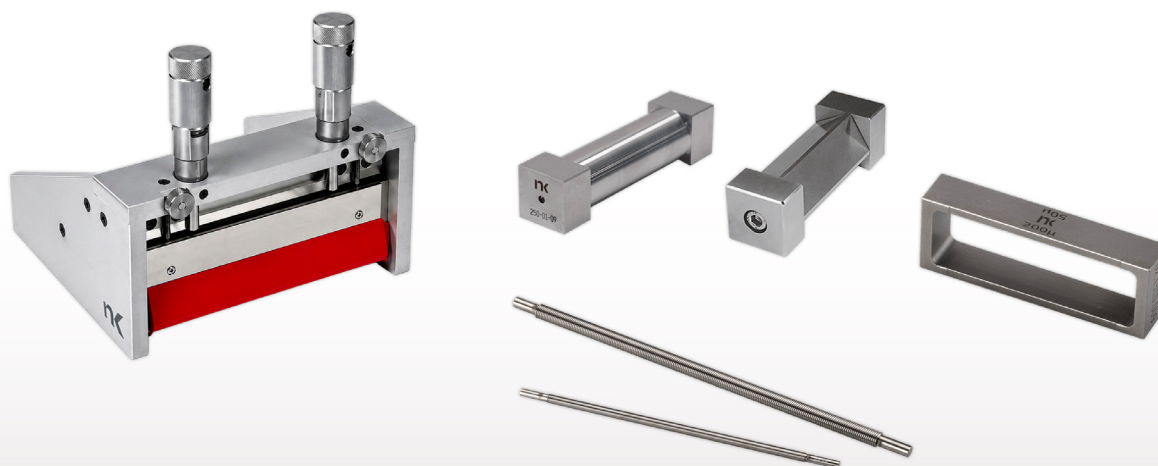


MANUAL APPLICATORS



The preparation of samples with controlled and reproducible film thicknesses is essential in laboratory testing.

For numerous products such as paints, inks, varnishes, adhesives and cosmetics, the reliability of laboratory testing depends directly on the quality and consistency of the applied samples.

The repeatability and reproducibility of physical parameters (drying time, elasticity, abrasion resistance, etc.) and optical parameters (gloss, colour, hue) can only be achieved with uniform, comparable films of strictly controlled thicknesses.

APPLICATION

To this end, NK offers a wide range of high-precision applicators, which guarantee uniformity and compliance with international standards such as ASTM D823. They are available in various formats:

- **Automatic applicators:** ideal for colourimetry and reproducibility testing, thanks to their variable motorised speed. They eliminate operator-to-operator variability, ensuring consistent coatings through controlled speed and pressure during application.
- **Manual applicators:** these offer flexibility and cost-effectiveness, with adjustable or fixed-thickness options depending on requirements.
- **Spiral rod applicators:** these offer the greatest uniformity for thin coatings and parallel tests. The wet film thickness is determined by the wire diameter and the application width.

MANUAL APPLICATORS

SQUARE APPLICATOR



Application width: 60 mm

GUIDELINES

ASTM D823

APPLICATION

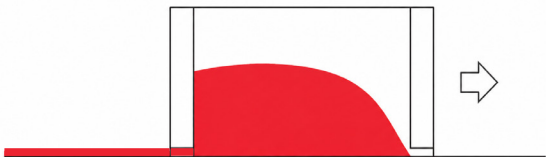
Multifunctional applicator capable of applying 4 different thicknesses using the same unit. Ideal for low-viscosity samples. Application width: 60 mm (other sizes available on request). Total width of the applicator: 80 mm.

MODELS

Code	Thickness
NK-MA3500-1	30-60-90-120 microns
NK-MA3500-2	50-100-150-200 microns
NK-MA3500-7	100-150-200-250 microns
NK-MA3500-3	200-250-300-350 microns
NK-MA3500-4	300-400-450-500 microns
NK-MA3500-5	250-500-750-1000 microns
NK-MA3500-6	1000-2000-3000-4000 microns
NK-MA3500-P	Custom heights

Optional calibration	Code	Description
✓	CAL019	ENAC accredited calibration certificate for square applicators

Can also be used with the **Aplitek** series of automatic film applicators



MANUAL APPLICATORS

BAKER APPLICATOR



Available in application widths of 50 and 80 mm

STANDARDS

ASTM D823

APPLICATION

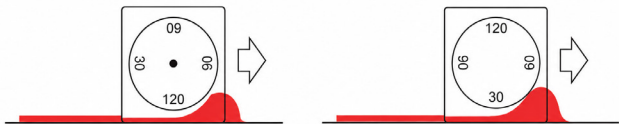
Cylindrical applicator with four defined application heights. Available in application widths of 50 and 80 mm. Ideal for low-viscosity samples.

MODELS

Code	Application width	Overall width	Height
NK-MA3600-1	50 mm	-	30/60/90/120
NK-MA3600-3	80 mm	104 mm	30/60/90/120
NK-MA3600-2	50 mm	-	50/100/150/200
NK-MA3600-4	80 mm	104 mm	50/100/150/200

Optional calibration	Code	Description
✓	CAL019	ENAC accredited calibration certificate for square applicators

Can also be used with the **Aplitek** series of automatic film applicators



MANUAL APPLICATORS

BIRD APPLICATOR



With four thickness settings
per applicator.

STANDARDS

ASTM D823

APPLICATION

Four-sided film applicator made from precision-polished stainless steel. It has four thickness settings per applicator with a prismatic body featuring flat edges.

Available in various widths with 4 application heights: 50, 100, 150 and 200 microns.

MODELS

Code	Application width
203540M001	50 mm
203540M002	80 mm
203540M003	100 mm
203540M004	150 mm
203540M005	200 mm
203540M006	250 mm

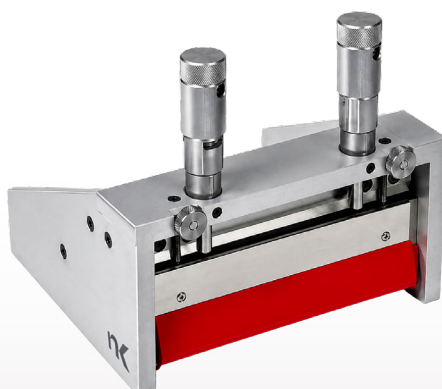
Optional calibration	Code	Description
✓	CAL019	ENAC accredited calibration certificate for square applicators

Can also be used with the **Aplitek** series of automatic
film applicators



MANUAL APPLICATORS

UNIVERSAL MICROMETRIC APPLICATOR



With four thickness settings
per applicator

STANDARDS

ASTM D823

APPLICATION

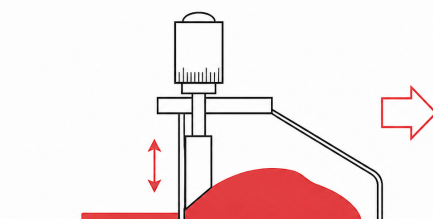
Wet film applicator fitted with **two integrated micrometers**, allowing the blade position to be adjusted in 10 µm increments, from 0 to 6 mm. Made entirely from stainless steel.

MODELS

Code	Application width
203580M201	50 mm
203580M202	75 mm
203580M203	100 mm
203580M204	125 mm
203580M205	150 mm
203580M206	175 mm
203580M207	200mm

Optional calibration	Code	Description
✓	CAL019	ENAC-accredited calibration certificate

Can also be used with the **Aplitek** series of automatic film applicators



MANUAL APPLICATORS

SPIRAL APPLICATION RODS



Short rods: 18 cm spiral length, total length 25 cm Long rods: 30 cm spiral length, total length 35 cm

APPLICATION

Made from **stainless steel**, they enable precise layers of paint, varnish, ink, adhesives, etc. to be applied to any surface, provided it is perfectly flat. Ideal for applying multiple layers or carrying out parallel tests.

MODELS

Thickness	Short bars	Long bars
5 µm	NK-MA3800-5C	NK-MA3800-5 L
7.5 µm	NK-MA3800-7.5C	NK-MA3800-7.5L
10 µm	NK-MA3800-10C	NK-MA3800-10L
15 µm	NK-MA3800-15C	NK-MA3800-15L
25 µm	NK-MA3800-25C	NK-MA3800-25L
35 µm	NK-MA3800-35C	NK-MA3800-35L
50 µm	NK-MA3800-50C	NK-MA3800-50L
60 µm	NK-MA3800-60C	NK-MA3800-60L
75 µm	NK-MA3800-75C	NK-MA3800-75L
100 µm	NK-MA3800-100C	NK-MA3800-100L
125 µm	NK-MA3800-125C	NK-MA3800-125L
150 µm	NK-MA3800-150C	NK-MA3800-150L
200 µm	NK-MA3800-200C	NK-MA3800-200L

