



PRODUCT GROUP 500

Series 590 UV-Effect Varnishes, easyGRAPH



A representative selection of popular effect systems – UV-curing based – for impressive finishing of acquisition- and promotional materials but also for packaging's and image items. Besides the classic, purely optic effects, functional and interactive special systems enable the precise possibility of value-added and unique attributes. The whole easyGRAPH system has been designed for processing on modern, fast running printing concepts (cylinder-, and rotary screen printing).



1.01 HIGH GLOSS VARNISH • SERIES 590-05

Description	High gloss varnish (60°/ 95 GE), monomer-free, low embrittlement, mild/neutral in smell		
Specific weight	1.05 g/cm ³		
Consumption Flat Screen	150-31 Y PW PET 1000	→	11.4 g/m ²
Consumption Rotary Screen	Steinemann W 10	→	11.8 g/m ²
Particle size	< 3 µm	Energy	150-200 mJ/cm ²

1.02 MAT VARNISH • SERIES 590-05/MT

Description	Mat varnish (60°/< 10 GE), none-yellowing, abrasion-resistant and free from surface marking		
Specific weight	1.15 g/cm ³		
Consumption Flat Screen	150-31 Y PW PET 1000	→	12.5 g/m ²
Consumption Rotary Screen	Steinemann W 10	→	12.9 g/m ²
Particle size	< 15 µm	Energy	200-250 mJ/cm ²



1.03 WATER DROP VARNISH • SERIES 590-05/697

Description	High build varnish, glossy, none-yellowing, highly transparent, odorless		
Specific weight	1.14 g/cm ³		
Consumption Flat Screen	32-100 Y PW PET 1000	→	82.2 g/m ²
Consumption Rotary Screen	Steinemann W 35	→	72.5 g/m ²
Particle size	< 3 µm	Energy	300-500 mJ/cm ²

1.04 GLITTER VARNISH, COARSE • SERIES 590-200/272

Description	Polychromatic glitter varnish, none-yellowing, odorless, abrasion-resistant		
Specific weight	1.14 g/cm ³		
Consumption Flat Screen	32-100 Y PW PET 1000	→	82.2 g/m ²
Consumption Rotary Screen	Steinemann W 35	→	72.5 g/m ²
Particle size	< 100 µm	Energy	300-500 mJ/cm ²





1.05 GLITTER VARNISH, FINE • SERIES 590-200/308

Description	Polychromatic glitter varnish, none-yellowing, abrasion-resistant, glossy		
Specific weight	1.15 g/cm ³		
Consumption Flat Screen	77-55 Y PW PET 1000	→	26.8 g/m ²
Consumption Rotary Screen	Steinemann W 12	→	22.3 g/m ²
Particle size	< 100 µm	Energy	300-500 mJ/cm ²

1.06 INTERFERENCE INK I • SERIES 590-KIF14/106

Description	Interference ink red/copper, abrasion-resistant, none-yellowing, odorless		
Specific weight	1.05 g/cm ³		
Consumption Flat Screen	77-55 Y PW PET 1000	→	24.5 g/m ²
Consumption Rotary Screen	Steinemann W 12	→	20.4 g/m ²
Particle size	< 45 µm	Energy	350 mJ/cm ²



1.07 INTERFERENCE INK II • SERIES 590-KIF28/21

Description	Interference ink turquoise/violet, abrasion-resistant, none-yellowing, odor-free		
Specific weight	1.05 g/cm ³		
Consumption Flat Screen	77-55 Y PW PET 1000	→	24.5 g/m ²
Consumption Rotary Screen	Steinemann W 12	→	22.9 g/m ²
Particle size	< 50 µm	Energy	350 mJ/cm ²

1.08 PEARLESCENT INK, FINE • SERIES 590-KPF200/22

Description	Pearlescent effect, fine, violet, abrasion-resistant, none-yellowing		
Specific weight	1.18 g/cm ³		
Consumption Flat Screen	77-55 Y PW PET 1000	→	27.5 g/m ²
Consumption Rotary Screen	Steinemann W 12	→	22.9 g/m ²
Particle size	< 100 µm	Energy	300 mJ/cm ²



1.09 PEARLESCENT INK, COARSE • SERIES 590-KPG200/00

Description	Pearlescent effect, coarse, white, abrasion-resistant, glossy, none-yellowing		
Specific weight	1.10 g/cm ³		
Consumption Flat Screen	43-80 Y PW PET 1000	→	58.3 g/m ²
Consumption Rotary Screen	Steinemann W 20	→	76.0 g/m ²
Particle size	< 200 µm	Energy	500 mJ/cm ²

1.10 PHOSPHORESCENT INK, ECONOMY • SERIES 590-PEQ00

Description	Phosphorescent ink, white body color, offset-printable, abrasion-resistant		
Specific weight	1.70 g/cm ³		
Consumption Flat Screen	54-64 Y PW PET 1000	→	67.7 g/m ²
Consumption Rotary Screen	Steinemann W 15	→	53.4 g/m ²
Particle size	< 15 µm	Energy	350 mJ/cm ²





1.11 PHOSPHORESCENT INK, SECURITY • SERIES 590-PHQ49/ECO

Description	Phosphorescent ink, blue luminescence, abrasion- resistant, odorless		
Specific weight	2.00 g/cm ³		
Consumption Flat Screen	54-64 Y PW PET 1000	→	79.6 g/m ²
Consumption Rotary Screen	Steinemann W 15	→	62.8 g/m ²
Particle size	< 20 µm	Energy	350 mJ/cm ²

1.12 ST-NEON FLUORESCENT INK • SERIES 590-40 | SERIE 590-47

Description	Daylight fluorescent inks, neon-yellow/neon-green, abrasion- resistant, glossy, odorless		
Specific weight	1.15 g/cm ³ (Serie 590-40) 1.21 g/cm ³ (Serie 590-47)		
Consumption Flat Screen	77-55 Y PW PET 1000	→	26.8 g/m ² 26.8 g/m ²
Consumption Rotary Screen	Steinemann W 15	→	22.3 g/m ² 23.5 g/m ²
Particle size	< 15 µm	Energy	300 mJ/cm ²



1.13 HIGH BUILD VARNISH • SERIES 590-05/692

Description	Highly transparent special varnish, rheology for process print, none-yellowing		
Specific weight	1.11 g/cm ³		
Consumption Flat Screen	120-34 Y PW PET 1000	→	18.1 g/m ²
Consumption Rotary Screen	Steinemann W 10	→	12.4 g/m ²
Particle size	< 3 µm	Energy	250 mJ/cm ²

2.01 RELIEF VARNISH • SERIES 590-05/105

Description	Extremely high build varnish for printing of structures and Braille		
Specific weight	1.06 g/cm ³		
Consumption Flat Screen	32-100 Y PW PET 1000	→	76.4 g/m ²
Consumption Rotary Screen	Steinemann W 35	→	67.4 g/m ²
Particle size	< 3 µm	Energy	350 mJ/cm ²



2.02 HAPTIC VARNISH, SOFT FEEL • SERIES 590-05/693

Description	Haptic varnish with soft, silky surface, none-yellowing, odorless		
Specific weight	1.38 g/cm ³		
Consumption Flat Screen	150-31 Y PW PET 1000	→	15.0 g/m ²
Consumption Rotary Screen	Steinemann W 10	→	15.5 g/m ²
Particle size	< 15 µm	Energy	300 mJ/cm ²

2.03 HAPTIC VARNISH, LEATHER • SERIES 590-05/684

Description	Haptic varnish with leather-like structure and micro-encapsulated scent		
Specific weight	1.14 g/cm ³		
Consumption Flat Screen	43-80 Y PW PET 1000	→	60.4 g/m ²
Consumption Rotary Screen	Steinemann W 20	→	78.8 g/m ²
Particle size	< 30 µm	Energy	350 mJ/cm ²





2.04 HAPTIC VARNISH, RUBBER • SERIES 590-05/694

Description	Haptic varnish, slightly sticky, rubber-like surface, none-yellowing		
Specific weight	1.12 g/cm ³		
Consumption Flat Screen	120-34 Y PW PET 1000	→	18.3 g/m ²
Consumption Rotary Screen	Steinemann W 10	→	12.5 g/m ²
Particle size	< 3 µm	Energy	300 mJ/cm ²

2.05 TEXTURE VARNISH, COARSE • SERIES 590-05/695

Description	Haptic varnish, structured, none-yellowing, odorless, coarse, silky-mat		
Specific weight	1.20 g/cm ³		
Consumption Flat Screen	32-100 Y PW PET 1000	→	86.5 g/m ²
Consumption Rotary Screen	Steinemann W 35	→	76.3 g/m ²
Particle size	< 80 µm	Energy	350 mJ/cm ²



2.06 TEXTURE VARNISH, FINE • SERIES 590-05/696

Description	Haptic varnish, structured, none-yellowing, odor-free, fine, silky-glossy		
Specific weight	1.00 g/cm ³		
Consumption Flat Screen	54-64 Y PW PET 1000	→	39.8 g/m ²
Consumption Rotary Screen	Steinemann W 15	→	31.4 g/m ²
Particle size	< 50 µm	Energy	350 mJ/cm ²

3.01 SCRATCH'N'SNIFF INK, WOOD • SERIES 590-SS310

Description	Wood olfactory, structured, silky-glossy, none-yellowing, abrasion-resistant		
Specific weight	1.09 g/cm ³		
Consumption Flat Screen	54-64 Y PW PET 1000	→	43.4 g/m ²
Consumption Rotary Screen	Steinemann W 15	→	34.2 g/m ²
Particle size	< 30 µm	Energy	350 mJ/cm ²



3.02 SCRATCH'N'SNIFF INK, ORANGE • SERIE 590-SS301

Description	Orange olfactory, structured, silky-glossy, none-yellowing, abrasion-resistant		
Specific weight	1.08 g/cm ³		
Consumption Flat Screen	54-64 Y PW PET 1000	→	43.0 g/m ²
Consumption Rotary Screen	Steinemann W 15	→	33.9 g/m ²
Particle size	< 30 µm	Energy	350 mJ/cm ²

3.03 SCRATCH-OFF SILVER • SERIES 590-5107/100

Description	Scratch-off ink, silver, odor-free, none-blocking, over-printable, opaque		
Specific weight	1.25 g/cm ³		
Consumption Flat Screen	120-34 Y PW PET 1000	→	20.4 g/m ²
Consumption Flat Screen	Steinemann W 10	→	14.0 g/m ²
Particle size	< 20 µm	Energy	400 mJ/cm ²





3.04 THERMOCHROMATIC INK, 29°C • SERIES 590-T29-33/05

Description	Thermochromatic ink, black, opaque, high-end-quality, glossy		
Specific weight	1.45 g/cm ³		
Consumption Flat Screen	54-65 Y PW PET 1000	→	57.7 g/m ²
Consumption Rotary Screen	Steinemann W 15	→	45.5 g/m ²
Particle size	< 10 µm	Energy	350 mJ/cm ²

4.01 ST-RICH PALE GOLD, COARSE • SERIES 590-02299/103

Description	Coarse gold effect, abrasion- resistant, glossy, none-yellowing, odorless		
Specific weight	1.20 g/cm ³		
Consumption Flat Screen	77-55 Y PW PET 1000	→	28.0 g/m ²
Consumption Rotary Screen	Steinemann W 12	→	23.3 g/m ²
Particle size	< 70 µm	Energy	400 mJ/cm ²



4.02 ST-SILVER, COARSE • SERIES 590-02299

Description	Coarse silver effect, brilliant, none-yellowing, abrasion-resistant, glossy		
Specific weight	1.25 g/cm ³		
Consumption Flat Screen	77-55 Y PW PET 1000	→	29.1 g/m ²
Consumption Rotary Screen	Steinemann W 12	→	24.3 g/m ²
Particle size	< 55 µm	Energy	400 mJ/cm ²

4.03 HIGH GLOSS SILVER • SERIES 590-100/450

Description	Extremely brilliant silver effect, fine, glossy, "foil-characteristics", odorless		
Specific weight	1.10 g/cm ³		
Consumption Flat Screen	150-31 Y PW PET 1000	→	12.0 g/m ²
Consumption Rotary Screen	Steinemann W 10	→	12.3 g/m ²
Particle size	< 15 µm	Energy	800 mJ/cm ²



4.04 HOLOGRAPHIC INK, FINE • SERIES 590-HF100/01

Description	Polychromatic gloss-effect, fine, none-yellowing, abrasion- resistant, odorless		
Specific weight	1.25 g/cm ³		
Consumption Flat Screen	77-55 Y PW PET 1000	→	29.1 g/m ²
Consumption Rotary Screen	Steinemann W 12	→	24.3 g/m ²
Particle size	< 50 µm	Energy	350 mJ/cm ²

4.05 HOLOGRAPHIC INK, COARSE • SERIES 590-HG100

Description	Polychromatic gloss-effect, coarse, brilliant, abrasion- resistant, odorless		
Specific weight	1.10 g/cm ³		
Consumption Flat Screen	43-80 Y PW PET 1000	→	58.3 g/m ²
Consumption Rotary Screen	Steinemann W 20	→	76.0 g/m ²
Particle size	< 100 µm	Energy	500 mJ/cm ²

