

Series 632 specialties: silicone-free 2C screen printing inks

for challenging flat glass applications

Our Series 632 is a newly developed, silicone-free, two-component, solvent-based screen printing ink for high-quality applications on glass, metals and plastics.

KEY CHARACTERISTICS

- › Excellent adhesion when combined with adhesives
- › Great appearance and captivating gloss
- › Comprehensive range of inks
- › Outstanding durability
- › High surface tension
- › Complies with the latest standards

Our special solutions

Article	Color	Application	Benefits	Mesh
Series 632-05/SV	Scatter varnish	Coating transparent glass and plastic luminaires in electronics, lighting and advertising material production; covering backlit areas	Extremely homogeneous illuminated surfaces; uniform light distribution of individual (LED) light points; no etching, sandblasting or foiling required; lowest loss of luminosity	120.34–140.31
Series 632-05/SI	Sand blasting imitation	Finishing of glass and plastic surfaces with a genuine, tactile sandblasted texture for elegant matt effects, privacy protection, subtle lettering, etc.	Convincing visual and haptic effect; simple, straightforward and clean application without surface defects; partially overprintable	120.34–140.31
Series 632-05/EI	Etch imitation	Production of translucent glass surfaces, decoration of lighting and decorative glass, privacy protection for shower panels, door and window glass, partition walls	Avoids dangerous, corrosive materials and acids; high light transmission; evenly fine, very matt texture, like real etching	120.34–140.31
Series 632-33/HD	Black, highly opaque, non-conductive	Back-printing of touch panels and cover plates with electronic components that require high electrical resistance	No leakage currents thanks to special, non-conductive soot pigments with 10 ¹² -ohm resistance; visually exceptional covering capacity, high bond strength with commonly used adhesives due to the absence of silicone additives	120.34–140.31
Series 632-05/478	Varnish, highly transparent	Highly transparent coating, for example for mixing disappearing black with Series 632-33/DB-KONZ or for creating glossy effects for special design concepts with the Series 632 effect inks.	Crystal clear and cloud-free, highly compatible, therefore significant design freedom with all Series 632 standard and special effect inks.	120.34–140.31
Series 632-33/DB-KONZ	Disappearing black	Lightproof concealment of inactive LEDs or control panel displays, for example in the automotive sector	Covering capacity can be precisely customized to the ideal light transmission with backlighting through specific mixing with Serie 632-05/478	120.34–140.31
Series 632-05/R	Relief varnish	Achieving a raised visual and tactile relief effect for decoration, braille, 3D, etc.	Specialized rheological adjustment to ensure sharp edge definition in the print image, even at high ink deposit	77.55–32.100

Note: additional information and a complete overview of the available auxiliaries can be found in the [Series 632 product information and data sheet](#).

Complementary additive

Article	Color	Application	Benefits	Mesh
Series 140-6125	Black, IR-transparent	Functional coating of components controlled by proximity sensors, such as infrared panels, screens and displays, and remote-controlled devices and systems.	Modern, silicone-free formula resulting in maximum adhesion in combination with adhesives and decorative inks or Series 632; excellent durability; easy-to-use two-component system consisting of varnish and colorant	43.80–140.31

Note: additional information and a complete overview of the available auxiliaries can be found in the special [Series 140-6125 data sheet](#). Application with a 43.80 Y mesh is not suitable for all sensors due to the reduced IR transparency, but may be suited to special applications (e.g. curing of an IR-sensitive adhesive through the ink layer).

Auxiliaries

Thinner	Series 600-037	Addition ratio	5–15 % by weight
Retarder	Series 600-038	Addition ratio	5–15 % by weight
Hardener	Series 600-GL	Series 600-GLH	Series 600-HDI
Applications	Glass / ceramics / non-ferrous metals	Glass / ceramics / metals	Plastics / aluminum / sheet metal
Addition ratio	20:1	10:1	4:1
Reactivity	Medium reactivity from 20 °C	Medium reactivity from 20 °C	Higher reactivity from 15 °C
Resistance to chemicals	Excellent	Very good	Very good
Outdoor resistance	Not recommended	Not recommended	Not recommended
Miscellaneous	-	PAH & halogen-free	PAH & halogen-free

Note: please refer to the technical data sheet for a complete overview of available auxiliaries.

ADDITIONAL INFORMATION

Technical data sheets
www.printcolor.ch/tds

Additional information
printcolor.ch/series632

Global sales partners
www.printcolor.ch/sales

Technical support
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