

# Series 140-3123-05

## 1C Screen Printing Varnish for Plastics, antimicrobial

Series 140-3123-05 is a highly transparent 1C screen printing varnish based on very resistant raw materials for the coating of plastics. The varnish has an antimicrobial mechanism which inhibits enzyme activity and the multiplication of microbes in the presence of moisture or humidity. The active agent released on the coated surface eradicates over 99.99 per cent of germs, with a germ reduction value of > 3 log levels tested according to JIS Z 2801-2010 NORM. Typical applications are labels and stickers, promotional items or displays.

### Increase of resistance

To increase the alcohol and petrol resistance of the coating, we recommend adding 5 to 10 per cent of the hardener Series 600-HDA.

### Specifications

<b>Thinner</b>	Series 300-017
<b>Addition ratio</b>	15-30 % by weight
<b>Retarder</b>	Series 300-018
<b>Addition ratio</b>	Max. 20 % by weight
<b>Hardener</b>	Series 600-HDA (as required)
<b>Addition ratio</b>	5-10 % by weight
<b>Cleaner</b>	See Technical Data Sheet Series 388 ( <a href="http://www.printcolor.ch/tds">www.printcolor.ch/tds</a> ).
<b>Mesh</b>	See Technical Data Sheet Series 388 ( <a href="http://www.printcolor.ch/tds">www.printcolor.ch/tds</a> ).
<b>Curing</b>	See Technical Data Sheet Series 388 ( <a href="http://www.printcolor.ch/tds">www.printcolor.ch/tds</a> ).
<b>Substrates</b>	See Technical Data Sheet Series 388 ( <a href="http://www.printcolor.ch/tds">www.printcolor.ch/tds</a> ).
<b>Indoor / outdoor use</b>	Medium-term outdoor use
<b>Further processing</b>	See Technical Data Sheet Series 388 ( <a href="http://www.printcolor.ch/tds">www.printcolor.ch/tds</a> ).
<b>Overprintability</b>	-
<b>Available quantities</b>	1 kg / 5 kg / 25 kg
<b>Shelf life</b>	24 months
<b>Others</b>	Stir well before use.
	The antimicrobial surface provides additional protection for general hygiene but does not replace regular cleaning with a disinfectant.

**Important information:** Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. This is not meant as an assurance for certain properties of the products nor their suitability for each application. You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of the ink for specific applications is exclusively your responsibility. Should, however, any liability claims arise, such claims shall be limited to the value of the goods delivered by us and utilized by you with respect to any and all damages not caused intentionally or by gross negligence. (T12 / V1 / 01/2021)