

# ImagePerfect™ Clear Coat 1-C

(1 Component Version)

## Water-Based Varnish



Clear Coat 1-C version is a very flexible, water-based varnish with a UV filter. This product is ideal for laminating banners, vinyl, and textiles with a closed structure. In contrast with solvent-based varnish, this unique solvent-free varnish will not damage the graphic or the printed substrate. ImagePerfect™ Clear Coat 1-C will give an extra protection against abrasion and will lengthen the durability of the printed graphic by up to 3 years.

Specifications	
DILUTION	Water
APPLICATION METHOD	ImagePerfect™ roller or spray gun
STORAGE	Dry, cool and dark (not under 10°C)
SHELF LIFE	6 months at 20°C / 50% humidity (well sealed with original lid)
TOXICITY	Non toxic
PREPARATION (FOR USE WITH ROLLER)	<ul style="list-style-type: none"> <li>• Open the packaging and mix with an electric power drill (using the special mixing rod)</li> <li>• Poor the quantity of varnish needed into a measuring cup</li> <li>• Measure the viscosity using the Din-4 immersion cup (fill the Din-4 immersion cup with varnish). The time needed for the Din-4 immersion cup to empty needs to be 40-50 seconds</li> <li>• The varnish is now ready for use</li> </ul>
PREPARATION (FOR USE WITH SPRAY GUN)	<ul style="list-style-type: none"> <li>• Open the packaging and mix with an electric power drill (using the special mixing rod)</li> <li>• Poor the quantity of varnish needed into a measuring cup</li> <li>• Add 5-10% water</li> <li>• Mix everything again with the electric power drill (using the special mixing rod)</li> <li>• Measure the viscosity using the Din-4 immersion cup (fill the Din-4 immersion cup with varnish). The time needed for the Din-4 immersion cup to empty needs to be 25 seconds</li> <li>• The varnish is now ready for use</li> </ul>
APPLICATION WITH ROLLER	<ul style="list-style-type: none"> <li>• Clean the roller under flowing water in order to rinse out the loose fibres that are present in a new roller (even if the roller is not new, we would recommend rinsing it before use)</li> <li>• Shake out the excess water (if the roller is too wet, it can impact the viscosity of the varnish)</li> <li>• Roll the roller through the varnish</li> <li>• Press out the excess varnish and start applying</li> <li>• Always roll from bottom to top or from left to right; do not cut across as this might influence the end result</li> <li>• When the drying process has started you can no longer go over the graphic as this will change the appearance and cannot be repaired</li> </ul>
APPLICATION WITH SPRAY GUN	<ul style="list-style-type: none"> <li>• We recommend using a spray gun with a high volume, low pressure needle mouth</li> <li>• Set up the needle mouth to obtain an elongated spray (not a round spray)</li> <li>• Hold the spray gun approximately 10cm from graphic and spray from left to right (or from right to left)</li> <li>• When starting the next line, always make sure to overlap with the previous line</li> </ul>
RECOMMENDATION	<ul style="list-style-type: none"> <li>• Leave the graphic to dry for 72 hours on a flat surface and in a dust-free area before further processing</li> <li>• We recommend cleaning the graphic before varnishing with a Crystal Wiping Cloth (MSW4000) as this will clean and remove dust without harming the printed graphic</li> <li>• Always apply the varnish on a horizontal, flat, rigid surface</li> <li>• Be sure to apply sufficient varnish; the water will evaporate and only a small percentage of fixed substances will remain on the graphic. The thickness of the applied varnish impacts both the flexibility and also the UV resistance; the thicker the coating, the less flexible the varnish, but the higher the UV resistance!</li> <li>• Work quickly and precisely to obtain a good end result</li> <li>• Always clean the preparation and application tools with water ASAP after varnishing</li> <li>• When there are dried up remains on the tools, we would recommend the use of alcohol for cleaning purposes</li> <li>• When using an application tape, use a low-tack application tape</li> <li>• Do not use 1-C for vehicle graphics; in this case we would recommend the 2-C version</li> <li>• Never clean IP clear coated media with alcohol (all 1-Component water-based clear coats, regardless of brand, are sensitive to alcohol)</li> <li>• Always rewind and store IP clear coated banners when they are completely dry</li> <li>• Use the Spandex recommended tools for a good end result</li> </ul>

Distributed by Spandex. [www.spandex.com](http://www.spandex.com)

Spandex UK, 1600 Park Avenue, Aztec West, Almondsbury, Bristol BS32 4UA  
Tel. +44 (0)1454 616 444, Fax +44 (0)1454 616 777, [www.spandex.com](http://www.spandex.com)

