

ImagePerfect™ Clear Coat Water-Based Varnish (1 Component)

ImagePerfect™ Clear Coat 1C is a flexible, water-based varnish with UV filters. It is ideal for laminating PVC banners and PVC-coated textiles (with a closed structure). In contrast to the potential risk with solvent-based varnishes, this unique solvent-free varnish will not damage the coloured or printed media to which it is applied. IP Clear Coat 1C will provide extra protection against abrasion and will lengthen the durability of the printed graphic by up to 3 years.

Specifications	
Description	Water-based varnish
Dilution	Water
Application Method	Roller or spray gun
Storage	Dry, cool and dark (not under +10°C)
Shelf Life	6 months, 20°C / 50% humidity (well sealed with original lid)
Toxity	Non-toxic
Preparation (roller)	<ul style="list-style-type: none"> • Open the packaging and mix the IP Clear Coat in the original packaging with an electric power drill (using a mixing rod attachment) • Fill the quantity of varnish needed into a measuring cup • Measure the viscosity using a DIN-4 immersion cup (the time needed for a full DIN-4 immersion cup to empty is 40-50 seconds) • Pour the mixture into an application tray using a paper filter • The varnish is now ready for use
Application with roller	<ul style="list-style-type: none"> • Clean the roller under flowing water in order to rinse out any loose fibres that might be present (even if the roller is not new, we would recommend rinsing it before use) • Shake out the excess water (if the roller is too wet, it can impact the viscosity of the varnish) • Apply varnish to the roller • Press out the excess varnish and start applying • Always roll from bottom to top or from left to right; do not cut across as this might influence the end result (with "cross hatching") • Once the drying process has started you can no longer go over the graphic as this will change the appearance beyond repair
Preparation (spray gun)	<ul style="list-style-type: none"> • Open the packaging and mix the IP Clear Coat in the original packaging with an electric power drill (using a mixing rod attachment) • Fill the quantity of varnish needed into a measuring cup • Carefully mix the IP Clear Coat with water (5-10%) with an electric power drill (using the mixing rod attachment) • Measure the viscosity using a DIN-4 immersion cup (the time needed for a full DIN-4 immersion cup to empty is 25 seconds) • Pour the mixture into an application tray using a paper filter • The varnish is now ready for use
Application with spray gun	<ul style="list-style-type: none"> • We would recommend the use of a spray gun with a high-volume, low-pressure needle mouth • Set up the needle mouth to obtain an elongated spray (not a round spray) • Hold the spray gun approximately 10cm from graphic and spray from left to right (or from right to left) • When starting the next line, always be sure to overlap with the previous line
Recommendations	<ul style="list-style-type: none"> • Leave the graphic to dry for 72 hours on a flat surface and in a dust-free area before further processing • We would recommend cleaning the graphic, before varnishing, with a Crystal Wiping Cloth (MSW4000) to ensure that it is free of dust • Always apply the varnish on a horizontal, flat, rigid surface • Be sure to apply sufficient varnish; the water will evaporate and only a small percentage of the fixing components 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! • Work quickly and precisely and ensure suitable coverage to obtain a good end result • Always clean the preparation and application tools with water ASAP after varnishing • We would recommend the use of alcohol for cleaning any dried-on varnish off the tools • When using an application tape, use a low-tack option • Do not use IP Clear Coat 1C for UV-printed graphics • Do not use IP Clear Coat 1C for car wraps. We would, instead, recommend the use of the corresponding filmic lamine for the lamination of self-adhesive print media. • We would not recommend IP Clear Coat 1C for truck curtains and tarpaulins • Never clean media that is covered with IP Clear Coat 1C with alcohol (all one-component water-based clear coats, regardless of brand, are sensitive to alcohol) • Only rewind and store IP clear coated banners when they are completely dry

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For more information about ImagePerfect please visit www.imageperfect.com

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