



nucoat

AQUA 500-UVP

FEATURES

- Superior adhesion across a broad range of media
- Excellent chemical resistance
- Good scratch and slip resistance



OVERVIEW

NUcoat AQUA 500-UVP is a gloss UV stable single component water-based clear coat system which incorporates unique self-cross linking chemistry that improves the chemical resistance of the product.

NUcoat AQUA 500-UVP is compatible with most UV cured and solvent based inks with a very wide media compatibility. It offers superior adhesion to PVC and many other rigid substrates.

NUcoat AQUA 500-UVP has low blush or colour shift once applied to printed images and has good

flow and levelling properties. It is possible to apply a second coat of NUcoat AQUA 500-UVP over the first coat, once it has dried.

NUcoat AQUA 500-UVP is ideally suited for use on self-adhesive vinyl, flexible, as well as certain rigid substrates requiring additional durability, as well as scuff and chemical resistance. For optimum results, ensure a dried film thickness of approximately 20 microns, which will result in an approximate coverage of 20 square meters per litre.

DRYING TIME	PAD APPLICATOR: When using IR curing: 3 to 10 minutes AIR DRYING: 1 to 2 hours at +23°C and 50% relative humidity LIQUID LAMINATOR: Follow the manufacturer's settings and instructions
CLEANING INSTRUCTIONS	Use water and a mild soap solution
PACKAGING CONFIGURATIONS	2L
SHELF LIFE	15 months
SHIPPING AND STORAGE INFORMATION	Storage & transit temperatures: +10°C to +30°C Store in a cool, dry area, not directly on the floor and away from direct sunlight Non-hazardous cargo, not classified as flammable
OPERATING SPECIFICATIONS	Temperature: +19°C to +28°C

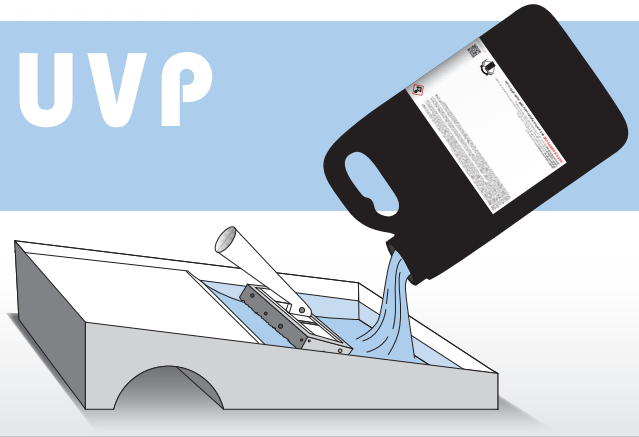
Ref.no. NU AQUA 500-UVP v5. All trademarks recognised. E&OE.

* It is recommended that the suitability of AQUA 500-UVP is ascertained to ensure full compatibility.

AQUA 500-UVP

TECHNICAL GUIDELINES

The Aqua 500-UVP gloss coating produced by Nutec Digital Ink is designed to be applied in a liquid form and once cured, will aid in the general protection of prints from the elements and application procedures.

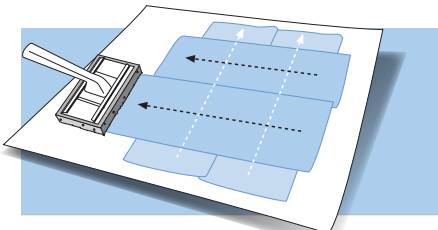


APPLICATION OF AQUA 500-UVP

There are three main methods to apply a liquid laminate/coating:

1. By hand using a paint pad

- Before applying each stroke be sure to wipe excess liquid coating into tray
- Apply on level horizontal surface
- Testing application stroke patterns for your best result is advised
- Steady even strokes are essential to maintain even liquid layer thickness



2. Airless spray gun or airbrush tool

- Using either a spray gun or airbrush tool allows for control of layer thickness like any paint application
- Thicker layers result in a glossier finish
- Thinner layers can help achieve a satin finish
- Apply on level horizontal surface
- It will often help to add an extra 10% water to dilute the mixture to improve the performance of the spray gun
- Make sure the equipment is thoroughly cleaned after use

3. Automated Mayer rod/bar application machine

- Consult the manufacturer's guidelines for the machine settings
- Perform tests to check the drying and gloss levels

DRYING OR CURING

The three application methods will have slightly different drying or curing characteristics:

1. By hand using a paint pad

- It is essential to allow the liquid coating to dry slowly to ensure bubbles release and the wet surface is allowed to spread and flatten evenly
- This should be done on a flat horizontal surface
- The environment should be as free of dust and dirt particles as possible
- Coating is usually ready to be handled after ONE to TWO hours after application but full curing will take 24 to 48 hours
- If available infrared heating lamps can be used to accelerate full curing but it is still advised to allow for layer to flatten and bubbles to release naturally prior to this

2. Airless spray gun or airbrush tool

- The thinner the layer the quicker the drying time
- Allow the layers to flatten and bubbles to release prior to any external heat or forced air drying
- Coating is usually ready to be handled after ONE to TWO hours after application but full curing will take 24 to 48 hours
- If available infrared heating lamps can be used to accelerate full curing but it is still advised to allow for layer to flatten and bubbles to release naturally prior to this

3. Automated Mayer rod/bar application machine

- Use the machine guidelines to adjust the layer thickness, speed and drying energy to get desired result
- Full curing will still continue for up to 48 hours