



MULTIVAC- MAX

* Patented High Performance Multi-Purpose Vacuum Formable Ink System

MULTIVAC-MAX is an extremely flexible UV curable digital printing ink specially formulated for first surface and second surface applications of various plastics used in vacuum forming and general point of purchase applications. MULTIVAC-MAX exhibits outstanding elongation characteristics while maintaining excellent adhesion and opacity. Additionally, this ink provides ideal characteristics for heat bending and routing acrylic sheets with no chipping or loss of adhesion. MULTIVAC-MAX has an extremely broad adhesion range making it suitable for both rigid and flexible media. MULTIVAC-MAX is also ideal for fleet graphics and vehicle wrap applications.

Performance Properties

- Extreme elongation for draw depth, up to 4 inches
- Superb water/moisture resistance
- Flexible for multi-layer applications/die-cutting
- Excellent adhesion to both rigid and flexible media
- High density color strengths
- Excellent cure speeds
- Superb post-print finishing

Curing/Processing Guidelines

MULTIVAC-MAX has excellent curing speeds and is well suited for both flatbed and roll-to-roll presses. The **MULTIVAC** ink system will not distort or waffle flexible media once cured. **MULTIVAC-MAX** has been specifically engineered to replace existing UV based ink systems. Once cured, **MULTIVAC-MAX** exhibits a very flexible vibrant & scratch resistant finish. It is recommended that **MULTIVAC-MAX** be gently shaken and mixed prior to pouring into press. The intensity of cure, weight or caliper of the material and/or elevated ambient temperatures and humidity of the printing and storage environments will influence block resistance.

Applications

MULTIVAC-MAX is available for use on a wide variety of press and head types. **MULTIVAC-MAX** is ideal for both flatbed and roll-to-roll equipment. Custom formulations and spot colors are available upon request. Please call today for more information. Should extreme elongation be required in excess of 4 inches, we would then recommend our UVD-VAC Deep Draw ink system.

Recommended Substrates

- PETG
- Polycarbonate
- High Impact Polystyrene (HIPS)
- PVC
- Acrylic
- Vinyl Banner
- Pressure Sensitive Vinyl
- Static Cling
- Polypropylene / Coroplast
- HDPE
- Coated metal & Aluminum

Lightfastness

MULTIVAC uses only the highest grade of pigments available today. **MULTIVAC's** exterior durability is largely dependant on the amount of ink deposited which is directly related to the head type and nozzle size. When used at 100% strength, **MULTIVAC's** estimated exterior durability is up to three years. A **MULTIVAC** high performance clear is available for applications where extended durability is required.

Storage

Care should be taken to store ink in tightly closed containers located in a cool (60-80°F/15-27°C) dark place. With suitable conditions, unopened ink is expected to have a shelf life of approximately twelve (12) months from date of manufacture.

Precautions

Read the material safety data sheet prior to processing. It contains instructions for precautions to be taken when handling inks. If ink comes in contact with skin, wipe ink off with a clean, dry cloth (do not use solvent). Wash and rinse the affected area with soap and water.

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