

Uvijet Adhesion Promoters have been specifically developed to aid adhesion and mechanical abrasion resistance of Fujifilm Sericol's Uvijet digital ink systems onto a wider range of rigid substrates such as: Gloss Rigid PVC, and Coroplast (Fluted Polyolefin).

Uvijet primers can also be used to aid specific finishing requirements such as cutting/guillotining and routing. These products are substrate primers, not ink additives.

Uvijet Adhesion Promoter ZE1000

ZE1000 is an optically clear, fast drying solvent-based primer developed to facilitate adhesion between Uvijet UV curable digital inks and plastic materials such as Gloss Rigid and PVC.

Uvijet adhesion promoter ZE1000 creates a chemical bond between Uvijet digital inks and the substrate surface. Developed from Fujifilm Sericol's detailed understanding of decorating rigid materials, ZE1000 Adhesion Promoter can also be used to clean surface contamination from substrates prior to printing. The use of ZE1000 will modify the surface energy of the substrate and as a result the print quality achievable may be enhanced further. Uvijet Adhesion Promoter ZE1000 is available in quart or gallon containers.

To apply ZE1000

- Remove any protective film from the substrate.
- Remove any excess dirt with a dry cloth.
- Soak a paper wipe such as WD-S02 paper wipe available from Fujifilm Sericol with ZE1000 and wipe the entire substrate surface.
- It's important to use a clean, lint free white cloth. Failure to do so may result in yellowing or other discoloration of substrate.

Ensure that advice detailed within the Material Safety Data Sheet on protective equipment and ventilation is followed.

- Print onto the primed surface.
- Depending on the substrate and ink film deposit the chemical bond may take upwards of 24 hours to complete.

It is recommended that primed substrates are printed within 20-30 minutes of treatment.

Media Type	ZE-1000	ZE-720	ZE-680
Digital Grade Styrene	✓		
Coroplast		✓	
Vinyl Banner	✓		
PVC	✓		✓
Polycarb Products	✓		
Acrylic			✓

Uvijet Adhesion Promoter ZE720

ZE720 is an optically clear, slower drying solvent-based Uvijet onto the more difficult rigid materials such as Coroplast (Fluted Polyolefins).

Because of the inert nature of polyolefin materials the drying time for ZE720 is longer than that of ZE1000, with drying times in a well-ventilated area of 5-15 minutes required in order to achieve full adhesion.

Uvijet Adhesion Master ZE720 is available in 1 kg containers.

To apply ZE720

- Remove any protective film from the substrate.
- Remove any excess dirt with a dry cloth.
- Soak a paper wipe such as WD-S02 available from Fujifilm Sericol with ZE720 and wipe the entire substrate surface.
- It's important to use a clean, lint free white cloth. Failure to do so may result in yellowing or other discoloration of substrate.

Ensure that advice detailed within the Material Safety Data Sheet on protective equipment and ventilation is followed.

- Allow to dry – normally 5-15 minutes depending on the substrate size.
- Print onto surface.

Uvijet Adhesion Promoter ZE680

ZE680 is an optically clear, fast drying solvent-based primer developed to facilitate adhesion between Uvijet UV curable digital inks and plastic materials such as Gloss Rigid PVC and Acrylic.

Uvijet adhesion promoter ZE680 creates a chemical bond between Uvijet digital inks and the substrate surface. Developed from Fujifilm Sericol's detailed understanding of decorating rigid materials, ZE680 will modify the surface energy of the substrate and improve adhesion. Uvijet Adhesion Promoter ZE680 is available in 1 kg containers.

To apply ZE680

- Remove any protective film from the substrate.
- Remove any excess dirt with a dry cloth.
- Soak a paper wipe such as WD-S02 paper wipe available from Fujifilm Sericol with ZE680 and wipe the entire substrate surface.

Ensure that advice detailed within the Material Safety Data Sheet on protective equipment and ventilation is followed.

- Once the whole surface of the substrate has been primed allow a minimum of 5 minutes prior to printing.
- Print onto the primed surface.
- Depending on the substrate and ink film deposit the chemical bond may take upwards of 24 hours to complete.
- It is recommended that primed substrates are printed within 4-5 hours of treatment.

General Advice – Uvijet Digital Inks

Always check the adhesion performance of Uvijet onto the selected media before committing to a print run. To minimize edge chipping stand prints for 24 hours before finishing. When printing clear materials prime the whole surface to avoid any optical differences in clarity. Images containing large areas of block color should always be printed at the minimum speed to give the best finish. Corona treated materials degrade over time, so wherever possible use fresh stock. Under some circumstances, adhesion promoters may cause discoloration or yellowing when applied to a substrate. It is the responsibility of the user to determine the suitability of Sericol adhesion promoters with a given substrate.

Storage

In the interest of maximum shelf-life storage temperatures should be between 41°F and 86°F. If stored under these conditions Uvijet primers are expected to have a shelf-life of 12 months from date of manufacture.

Fujifilm Sericol:

- Has certification to the International Environmental Standard, ISO 14001.
- Is committed to minimizing the risk to users of our products, and also to minimizing the impact of our activities on the environment, from formulation through to production and supply.
- Research & Development team, work to an in house Health, Safety and Environmental policy, termed 'Design for Health, Safety and Environment', with the aim of pro actively developing products with the least impact on health, safety and the environment.
- Regularly review and monitor our impacts and activities, setting objectives and targets as part of a continual improvement process.
- Is committed to reducing waste through better use of raw materials, energy, water, re-use and recycling.

Safety and Handling

Uvijet Primers

- Are not routinely tested, but are formulated to comply with the American Toy Standard ASTM F963 Safety Regulations.

Comprehensive information on the safety and handling of Uvijet Adhesion Promoter and Adhesion Master is given in the appropriate Fujifilm Sericol Material Safety Data Sheets available upon request. Protective gloves and safety goggles are strongly recommended.

Environmental Information

Uvijet Primers

- Does not contain ozone-depleting chemicals as described at the Montreal Convention.

The information contained in this information sheet is intended to be used as a guide to ink and substrate performance based on current knowledge, however, users should always satisfy themselves that prints will fully meet their requirements before use as results are also image dependent according to ink film weight, the substrate and the UV Lamp output.

The information and recommendations contained in this Technical Data Sheet, as well as technical advice otherwise given by representatives of our Company, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Technical Data Sheet out of date and users are requested to ensure that they follow current recommendations.