

Cyrel® Plate/Ink Compatibility Guide for Aqueous/Solvent-Based Inks

|  | Pure Solvent | Maximum % in n-Propyl Alcohol Cosolvent* |
|--|--------------|--|
| Water  | Yes          | 100                                      |
| <b>Amines (pH adjust)</b>                            |              |  |
| 28% Ammonium Hydroxide                               | Yes          | N/A                                      |
| 2-Amino-2-Methyl-1-Propanol                          | Yes          | N/A                                      |
| Morpholine   | No           | N/A                                      |
| Monoethanol Amine                                    | Yes          | N/A                                      |
| Diethanol Amine                                      | Yes          | N/A                                      |
| Triethanol Amine                                     | Yes          | N/A                                      |
| <b>Alcohol/Glycols</b>                               |              |  |
| Methyl Alcohol (methanol)                            | No           | 50                                       |
| Ethyl Alcohol (ethanol)                              | Yes          | 100                                      |
| Isopropyl Alcohol (IPA)                              | Yes          | 100                                      |
| Normal Propyl Alcohol (n-propanol)                   | Yes          | 100                                      |
| Normal Butyl Alcohol (n-butanol)                     | Yes          | 100                                      |
| Octyl Alcohol  | No           | 5  |
| Benzyl Alcohol                                       | No           | 5  |
| Ethylene Glycol                                      | Yes          | 100                                      |
| Propylene Glycol                                     | Yes          | 100                                      |
| Diethylene Glycol                                    | Yes          | 100                                      |
| Dipropylene Glycol                                   | Yes          | 100                                      |
| Triethylene Glycol                                   | Yes          | 100                                      |
| Glycerol (Glycerine)                                 | Yes          | 100                                      |
| <b>Esters<sup>1</sup></b>                            |              |  |
| Ethyl Acetate  | No           | 20                                       |
| Isopropyl Acetate                                    | No           | 20                                       |
| Normal Propyl Acetate                                | No           | 20                                       |
| <b>Ketones<sup>1</sup></b>                           |              |  |
| Acetone  | No           | 5  |
| Methyl Ethyl Ketone                                  | No           | 5  |
| Methyl Isobutyl Ketone                               | No           | 5  |
| <b>Aliphatic/Aromatic Hydrocarbons<sup>1,2</sup></b> |              |  |
| Heptane  | No           | 5  |
| Hexane   | No           | 5  |
| Cyclohexane  | No           | 0  |
| Petroleum Hydrocarbon Solvent Mixture (9%)           | No           | 3  |
| Benzene  | No           | 1  |
| Toluene  | No           | 1  |
| Xylene   | No           | 1  |
| Ethyl Benzene  | No           | 1  |
| <b>Glycol Ethers</b>                                 |              |  |
| Ethylene Glycol Monobutyl Ether                      | No           | 3  |
| Ethylene Glycol Monoethyl Ether                      | No           | 30                                       |
| n-Propoxypropanol                                    | No           | 30                                       |
| Diethylene Glycol Monoethyl Ether                    | No           | 30                                       |

<sup>1</sup> For extended run lengths, lower maximum percentages are recommended for best results.

<sup>2</sup> This category includes petroleum/paraffinic distillates.

\*Percentages are based on solvent portion of the ink only.