

# TRIANGLE®



## Technical Data Sheet

# RXV

## ECO Solvent pigmented inks

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## RXV

*is a premium ECO solvent high density pigmented inkjet ink set formulated for use in the Roland® SOLJET™ Pro 4 XR-640, SOLJET™ XF-640 and VersaCAMM™ VSi series printers*

TRIANGLE® RXV series vinyl-based solvent products are optimized for high pigment density and wide color gamut. They are used on a wide range of flexible display graphics media. The formulations boast superior chemical resistance and outstanding scratch resistance. The products are intended for jetting through piezo DOD printheads at ambient temperatures and have excellent jetability consistency.

- ▼ Color Compatible with the OEM ECO-SOL MAX 2 inks
- ▼ Chemically compatible with the OEM ECO-SOL MAX 2 inks
- ▼ No flushing or re-profiling required!
- ▼ Fast dry times
- ▼ Low odor
- ▼ Backed by INX Digital's Worldwide Outdoor Durability and Ink Train Warranty for TRIANGLE® brand inks.

### Packaging



- ▼ 6 x 440 ml Cartridges. Net quantity 2.64 liters
- ▼ 7 Colors



### Recommended Flush

**ECO Flush** - Solvent-based head wiping fluid that may be used to flush the ink train.

### Typical Physical Properties

Properties		Range
Viscosity at 20 rpm (cps)	25°C	3.9-4.4
Surface Tension (dynes/cm)	25°C	31.0-32.0
Specific Gravity(g/ml)	25°C	1.02-1.05

### Outdoor Durability

RXV utilizes extremely light fast pigments and is designed for outdoor use. With a suitable substrate and correct ink application, it should withstand 2 years of outdoor exposure. Laboratory tests passed the 2 year outdoor durability criteria (delta E of <10 using accelerated testing equipment).

### Temperature Exposure and Jetting

Inks were optimized to jet in equipment operating at 25°C. Changes in ambient temperature and controlled temperature settings affect the viscosity of the ink and therefore the accuracy of drop formation and dot placement. Prolonged exposure to temperatures above 55°C should be avoided as long term exposure to high temperatures can induce pigment agglomeration.

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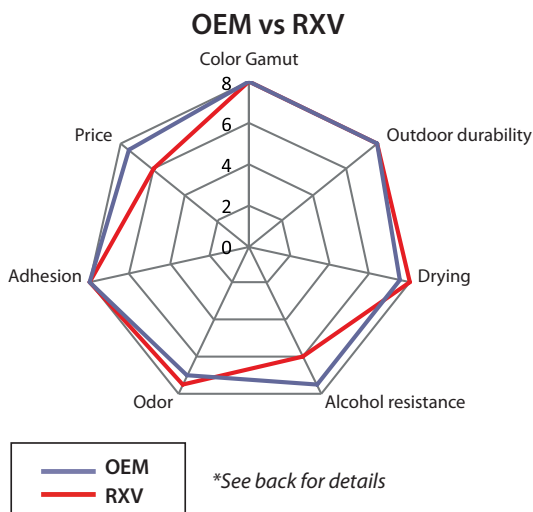
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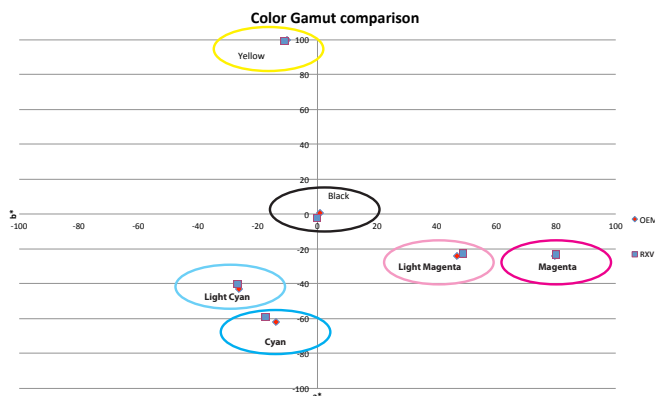
### Property Gamut

The spider chart below demonstrates the properties of the TRIANGLE RXV ink series in comparison to the Roland ECO\_SOL MAX 2 inks for the Roland SOLJET Pro 4 XR-640, SOLJET XF-640 and VersaCAMM VSI series printers.



### Color Density

TRIANGLE® RXV inks were optimized for extremely high pigment density as seen in the density chart below.



### Adhesion

**RXV** is formulated to achieve optimum adhesion on commonly used vinyl substrates. Certain display graphic media types such as cast acrylics, polycarbonate and other non-ionic surfaces can be problematic, but the use of our BondAid® adhesion promoters or Ceptor® primers can solve many adhesion issues.

### Compatible Materials

Materials which can be kept in long term contact with the inks include:  
Stainless steel, PTFE, EPDM, PP, LDPE, HDPE

### Incompatible Materials

Materials that are not recommended for long term contact with the inks include: Butyl rubber, PU-rubbers, Neoprene.

### Incompatible Solutions

**RXV** is NOT compatible with water at any concentration including high humidity conditions.

### Ink Storage and Shelf Life

These inks should be stored between 20° - 25°C (68° - 77°F). When stored properly inks have a 12 month shelf life.

### Pack Size Description

6 x 440 ml Cartridges. Net quantity 2.64 liters.

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\*Conditions apply. This information has been carefully studied from experience gained in the laboratory and under commercial situations. It is subject to change without notice. All sales are subject to our standard terms and conditions of sale. Since applications vary tremendously, the user assumes the obligation to test this product in their specific situation to determine its suitability and assumes all risk and liability related to such use. INX Digital makes no warranty, express or implied, for the use of the product for any particular application. In no event shall INX Digital be liable for damages in excess of the original cost of the product nor shall INX Digital be liable for any special or consequential damages. \*\*Coverage was calculated using actual figures obtained from a print shop. Coverage depends on the file being printed and printer settings. EDX is not endorsed by Roland®. Roland® VersaCAMM™, Soljet™ name and copyrighted materials are the property of Roland DGA Corporation, Irvine, Ca.