



# 400

Viajet 400 is a specially designed, low viscosity, clear, solvent free vehicle for letting down finely dispersed pigment paste (like those dispersed in a bead mill using grinding vehicle Viajet 100) in order to retain not only the quality of dispersion, but also provide improved jetting characteristics. This letdown has been optimised to impart good flow, levelling and most critically adhesion on all types of substrates for Ultra Violet inkjet inks\*.

The demanding stability of the pigment dispersion for inkjet inks, which have an extremely low viscosity of around 20 Cps at 25°C, are provided by the use of Viajet 100 & Viajet 400 dispersed in a bead mill.

\*These inks are applied exclusively using the Drop on Demand Piezo Inkjet systems.

## Applications

These clear and free flowing vehicles are designed for use

- With all pigments that are used for UV inkjet inks.
- On all types of plastics (including corona treated polyolefins) and coated papers
- In multiple applications like
- labels and packaging
- point of sale posters
- photoimage posters
- billboards & outdoor panels
- truckcovers
- decorative printing

## Performance highlights

### Formulating the liquid ink

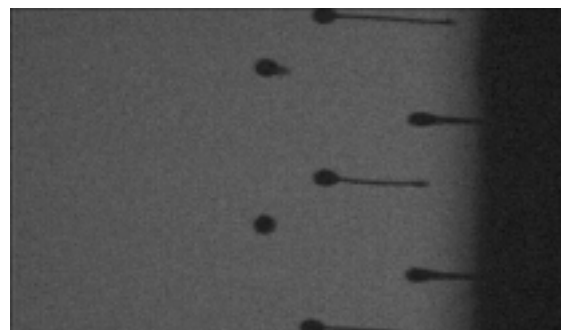
- ensures stability of dispersion
- ease of filtration
- ensures low viscosity of the final ink
- less handling & processing time



Pigment concentration across the height of the ink on Turbiscan Sedimentometer

### Performance at the jethead

- Very good Jettability
- Ease of priming
- No face plate wetting
- No nozzle loss during printing continuously on long runs
- No satellite formation
- Good sustrate wetting
- High reactivity
- Low odour



Flight path of the droplet as it is fired from the nozzle of the jethead

### Cured Ink Performance

- Good adhesion
- Scratch resistance
- Solvent resistance
- High gloss
- No dot gain

## Specifications

Percentage solids	100%
Viscosity (Hoppler) @ 25°C	20 mPas
Density @ 21,5°C	1,07
Colour (Gardner)	1,6

## Suggested formulation

For detailed advise, we have a dedicated technical service, who is available at your service. Kindly contact your local sales representative.

## Standard Packaging

This product is available in the following standard packagings:

- Steel pails open top 25L;
- Steel drum with bunghole 216L;

## Storage & Handling

Care should be taken not to expose radiation curable products to temperatures exceeding 40°C for prolonged periods or to direct sunlight. This might cause uncontrollable polymerization of the product with generation of heat. Storage and handling should be in stainless steel, amber glass, amber polyethylene or baked phenolic lined containers. Do not store this material under an oxygen free atmosphere. Use dry air to displace material removed from the container. This material should not be stored for more than 1 year.

## Precautions

The following is a summary of the precautions to be taken when handling this product. Please refer to the Material safety Data Sheet for further details.

The toxicological properties of this material have not been fully determined. Products of this type can be expected to be eye and skin irritants and have the potential to cause sensitization or other allergic responses.

Appropriate precautions should be taken to avoid eye and skin contact and to avoid inhalation of the aerosols or vapours. Consult the relevant Material Safety Data Sheet for appropriate handling procedures

and protective equipment prior to using this or any other material referred to in this bulletin.

See Material Safety Data Sheet for emergency and first aid procedures.