

# Technical Data Sheet

## UV Drive Series Pad & Screen-Printing Ink

### Application

UV Drive Series inks have been specifically designed for Golf Ball Materials

### Properties

- Curing by UV Light
- Contain organic solvents.
- Glossy Finish
- 1 component
- Medium to long term outdoor applications

### Curing

- Inks dry/cure under UV-radiation
- Use Hg medium-pressure lamps (250-400 nm)
- Energy requirement approximately 500 – 1000 mJ/cm<sup>2</sup>
- Even radiation for the complete print area is important
- Different ink layers, color shades and substrates may require different UV-energy.  
These parameters must be determined on the actual printing lines.
- UV Inks undergo a post-curing process. Sufficient adhesion should be achieved after a few minutes, full adhesion is achieved after 12 – 24 hours.

### Colors

UV Drive inks are available in the following colors

Part Number	Description		Available Size
<b>740501/1</b>	UV Drive – Black Base		100g, 1 Liter, 1 Gallon
<b>740540</b>	UV Drive – Red		100g, 1 Liter, 1 Gallon
<b>740541</b>	UV Drive – 225c Pink		100g, 1 Liter, 1 Gallon
<b>740542</b>	UV Drive – Y30 Yellow		100g, 1 Liter, 1 Gallon
<b>740543</b>	UV Drive – Y50 Yellow		100g, 1 Liter, 1 Gallon
<b>740544</b>	UV Drive – Orange		100g, 1 Liter, 1 Gallon
<b>740545</b>	UV Drive – Cyan		100g, 1 Liter, 1 Gallon
<b>740546</b>	UV Drive – Violet		100g, 1 Liter, 1 Gallon
<b>740547</b>	UV Drive – Green		100g, 1 Liter, 1 Gallon
<b>740548</b>	UV Drive – White Base		100g, 1 Liter, 1 Gallon
<b>740549</b>	UV Drive – Transparent Base		100g, 1 Liter, 1 Gallon

### **Fastness Properties**

High light fastness pigments are used for the UV-Drive ink range. Be aware that light fastness is reduced depending on the amount of white they are mixed with.

The UV-Drive ink range is suitable for medium-term outdoor applications

### **Safety Data Sheets**

Read the safety data sheet prior to processing.

Safety data sheets comply with Regulations (EC) No. 1907/2006 (REACH), Appendix II.

Safety data sheets can be requested by emailing [orders@prismflex.com](mailto:orders@prismflex.com).

### **Classification and Labeling**

Hazard classification and labeling comply with Regulation (EC) No. 1272/2008 (CLP/GHS)

### **Conformity**

PRISMflex does not use any of the substances of mixtures for the production of printing inks, which are banned according to the EUPIA (European Association of the Printing Inks Industry) exclusion policy. Screen printing inks range Type UV Drive color shades, standard, highly opaque standard colors (HD), process colors, silver, fluorescent colors and transparent colors comply with the requirements of toy standard, EN 71-3:2019 Safety of toys – Migration of certain elements (category III: scraped off material). Further compliance confirmations are available upon request. The safety data sheets must be read prior to processing.

### **Storage**

The shelf-life of UV Drive series inks is 2 years in original, unopened containers.

### **Available Can Sizes**

- 100 grams
- 1 Kilo
- 1 Liter
- 1 Gallon

The printers, converters and the packer/filler have the legal responsibility to ensure that the finished article fits for the intended purposes and that the inks and coating components do not migrate into the consumer good at levels that exceed legal and industry requirements.

The statements in our product and safety data sheets are based on our present experiences, however they are no assurance of product properties and do not justify a contractual legal relationship. They serve to advise our business associates, but it is absolutely necessary to make your own printing tests under local conditions, with regard to the intended purpose prior to starting the job. All former product data sheets are no longer valid.

