

## 650 SERIES SPECIFICATION

DTF INKJET  
INKS

### Product Statement and Key Features:

The S-650 digital inks are a range of water based pigmented inks formulated to meet the needs and expectations of digital transfer printers using DTF technology.

- o Transferred prints exhibit soft hand characteristics
- o Excellent washfastness
- o Bright, vibrant and clean colours
- o Superior fastness properties
- o Excellent transfer release properties
- o Reliable printer performance
- o High Density Ink-set
- o Okeo Tex 100 certification

### S-650 Series Technical Data:

S-650 digital inks from AFFORD are a range of water based pigmented inks designed for DTF print

### Curing Information:

Prints cure at 160°C for about 15 seconds to ensure full washfastness properties. It is essential that the printed ink film is given time to fully cure to ensure full washfastness is achieved and it is the user's responsibility to confirm the cure schedule by testing washfastness and suitability prior to commencing a full production run.

### Washfastness:

S-650 Series prints exhibit good washfastness, passing 50 washes at 30°C when properly cured. With the combination of the right powder, like 29.612, excellent fastness for washes at 60°C can be achieved.

Note\*: Washfastness properties can be compromised with the use of harsh detergents and high wash temperatures and some colour combinations may result in a colour fade, this is particularly relevant with tints and pastel shades and the user must test washfastness before commencing a production run. For washing, it is always recommended to wash with the image on the inside part of the clothing.

Prints will not resist dry cleaning and the finished garment must be marked accordingly

## Applications:

Most woven and knitted fabrics typically used for T-Shirts, Sweatshirts, Sports and Fashion wear, hats & caps.












## Fabrics:

Suitable for use on most commonly available natural and synthetic fibres, Cotton, Cotton/Polyester blends and many other synthetic fabrics

## Safety Information (Handling Instructions) (Disposal) (Shelf Life):

Shelf life is one year from production date, including the white ink.

## Colour Range Table:

Available Colors									
	Black		Cyan		Magenta		Yellow		White
Future Colours:									
	Green		Orange		Violet		Red		
	Fluo Yellow		Fluo Pink		Fluo Orange		Fluo Green		

## Powder Adhesives:

AFFORD has developed a range of adhesives which are specially suited to have the best compatibility with S-650 series. We can provide a range which includes different type of products (PU, PA, PET), different particle sizes (0-80 micron, 100-200 micron, 200-300 micron) and different hardness.

The right combination of ink and adhesive will allow to obtain the best possible combination between adhesion, washing fastness, elasticity and touch feel. Users must test in order to select the product which fits best with their needs.

## Disclaimer:

All information on this data sheet is based on laboratory tests carried out by AFFORD Industrial SL and from end user experience in print shops. Procedures and directions for use of AFFORD products (including printing and after-treatment) must be considered as recommendations only, with no warranties expressed or implied. The user of the products described herein is solely responsible for determining suitability of any AFFORD Industrial product(s) for the chosen application. AFFORD Industrial recommends that all products be pre-tested prior to full-scale production use. This data sheet supersedes all previous publications. January 2023.

rev. 05/2023

The information provided corresponds to our knowledge today; It is given in good faith but without guarantee. In addition, taking into account the wide variety of materials to print, the various equipment and procedures to realize it is your responsibility to check the validity of our products to achieve the goals that he intends, with the means and procedures he has.

Similarly, the user must ensure compliance with current regulations, patent situation and rights of third parties where appropriate.

DTF INKJET  
INKS

DTF