

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 pending **

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.

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
 Lt. Cyan.	 Lt. Magenta			

Future Colours:

 Green	 Orange	 Violet	 Red
 Fluo Yellow	 Fluo Red		

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. April 2021.

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