



SubliNova Advanced Technical Data

GENERAL INFORMATION

InkTec has been providing high quality of dye sublimation inks on the basis of InkTec's own dispersed technology.

InkTec's dye sublimation inks provide high intensity colors because the particles are spread evenly.

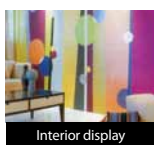
To make clear on InkTec dye sublimation inks, we try to evaluate the key factors of ink - durability, color and light fastness - by using objective technical methods.

ABOUT THE SUBLINOVA

'SubliNova' is the new brand name of InkTec's dye sublimation ink. This name is derived from the words 'Sublimation and 'Innovation'. Nova means 'new star', which reflects our desire to become a new star-player in the worldwide sublimation market. SubliNova is easily recognizable as a sublimation ink whilst also highlighting the innovation that went into producing it.

APPLICATIONS

- Polyester and polyamide fabrics, spandex, lycra, nylon used in sports apparel and outdoor clothing
- Plastic substrates like skis, snowboards, skateboards and surfboards
- Mixed synthetic fabrics(used in sports apparel and outdoor clothing) with a minimum polyester content of 60%



Interior display



Fancy items



Flag



Sports wear, Swim suit

TRANSFER CONDITION

SubliNova transfer time can vary from 30 ~ 60 sec.
at 180°C ~ 210°C depending on the type of substrate.



SUBLINOVA ADVANCED

SubliNova Advanced is specially formulated to suit for the plotters equipped with DX7 which have higher printing speed as well as those with DX5 head. It guarantees high quality printing result with wide color gamut and smooth printing without any trouble.

PRIMARY FEATURES

- Low maintenance, long-lasting head performance
- Stability of high speed printing
- Higher transfer rate with the light transfer paper
- Suitable for the plotters equipped with Epson DX4, DX5 and DX7 printhead
- Universal for both direct and transfer printing
- Intense and vibrant colors
- Strong light fastness
- Alkylphenolethoxylate free
- Environmentally friendly : Free from formaldehyde and halogen

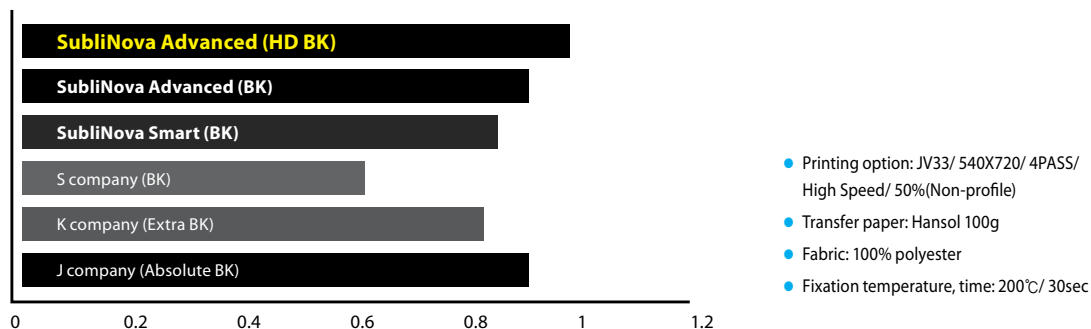
TABLE OF FASTNESS PROPERTIES

Excellent fastness properties are just a few of SubliNova Advanced's competitive advantages.

| Colour | Class Colour Intensity | | Light Fastness | Wash Fastness | Alkali Perspiration Fastness |
|-----------|------------------------|--------------|----------------------------------|-----------------------------------|------------------------------|
| | | | ISO 105-B02:1994(20h) Rating 1~5 | ISO 105-C06:2010(40°C) Rating 1~5 | ISO 105-E04:2008 Rating 1~5 |
| ● Black | 180°C/ 60sec | 200°C/ 45sec | 4 | 4/5 | 4/5 |
| ● Cyan | | | 3/4 | 4/5 | 4/5 |
| ● Magenta | | | 4 | 4/5 | 4/5 |
| ● Yellow | | | 4 | 4/5 | 4/5 |

BLACK OPTICAL DENSITY

SubliNova Advanced has a special black, called "HD black" which means High Density black and its optical density is higher than black inks from competitors. The higher the figures, the deeper the optical density.



ECO FRIENDLY

SubliNova Advanced is an environmentally friendly product using only high-class dyes and its excellent quality has been proved by an international testing agency.



Test results for RoHS & halogen

All test results are 'Not detected', as authorised by SGS(<http://www.sgsgroup.kr/en>).

| Content | Cadmium(Cd) | Lead(Pb) | Mercury(Hg) | Hexavalent Chromium(Cr VI) | Bromine(Br) | Chlorine(Cl) |
|-----------|-------------|----------|-------------|----------------------------|-------------|--------------|
| Colour | | | | | | |
| ● Black | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| ● Cyan | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| ● Magenta | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| ● Yellow | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |



Test results for formaldehyde

Formaldehyde can cause serious health problems.

All test results are 'Not detected', as authorised by KATRI(<http://www.katri.re.kr/Eng/main.do>).

| Content | Formaldehyde |
|-----------|--------------|
| Colour | |
| ● Black | N.D. |
| ● Cyan | N.D. |
| ● Magenta | N.D. |
| ● Yellow | N.D. |

PRODUCT OFFERING

| Colour | SubliNova Advanced | | | |
|----------------------|--------------------|------------|------------|------------|
| | 440ml Cartridge | 1L Pack | 1L Bottle | 20L Bottle |
| ● High Density Black | SEA-C440MHB | SEA-P01LHB | SEA-B01LHB | SEA-B20LHB |
| ● Black | SEA-C440MB | SEA-P01LB | SEA-B01LB | SEA-B20LB |
| ● Cyan | SEA-C440MC | SEA-P01LC | SEA-B01LC | SEA-B20LC |
| ● Magenta | SEA-C440MM | SEA-P01LM | SEA-B01LM | SEA-B20LM |
| ● Yellow | SEA-C440MY | SEA-P01LY | SEA-B01LY | SEA-B20LY |
| ● Light Cyan | SEA-C440MLC | SEA-P01LLC | SEA-B01LLC | SEA-B20LLC |
| ● Light Magenta | SEA-C440MLM | SEA-P01LLM | SEA-B01LLM | SEA-B20LLM |
| ● Cleaning Solution | PCS-0001(220ml) | | PCS01-01L | PCS01-20L |

Note: The information contained in this technical data sheet are based on our present experience and knowledge.
In consideration of the various factors which can effect the results achieved in the final application, InkTec doesn't take any responsibility for an improper use of the product by the user which can violate or damage rights of third parties.