# S-RACE® INSTRUCTIONS FOR USE

RECOMMENDED SETTINGS USING
S-RACE® TACKY 100 AND THE EPSON SC-F500
DYE SUBLIMATION PRINTER

## General Information

Of course you can use S-RACE® with your existing print and transfer environment, but this may lead to colour differences, colour shifts or a faded output. Without optimizing your settings, you will not experience all benefits of S-RACE®.

Felix Schoeller's S-RACE® dye sublimation team has created custom ICC colour profiles and printer settings to achieve the best sublimation results for customers printing on S-RACE® dye sublimation paper with the Epson SC-F500 dye sublimation printer.

Please note: All components and their settings have an influence on the final output quality. By changing one component of the existing workflow – in this example by changing the sublimation paper – the previously used ICC profile may not achieve the desired quality.

## Recommendations

### NECESSARY UTILITIES

- S-RACE® dye sublimation paper
- Epson SC-F500 printer with OEM dye sublimation inks
- Flatbed heatpress / calender
- Protective paper / tissue paper
- 100% polyester elastic fabric / textile

### TRANSFER RECOMMENDATIONS

The best settings in the combination with elastic fabric are: 210° Ceslsius / 410° Fahrenheit and 45 seconds transfer time. Several tests have shown us, that with this combination, you will achieve the highest values for optical densities and even more vibrant results.

An optimal interaction of substrate, ink and calender or heat press is crucial. For example, some substrate surfaces may turn yellowish if the temperature is too high or the transfer time is too long. If a lower transfer temperature is required the transfer time has to be increased accordingly.

If you work with a flatbed heat press, make sure that the system (incl. work table) is preheated directly before you start your tests.

Please refer to our instructions for use for detailed information.
https://www.s-race.com/services/instructions-for-use

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## Process steps

### CUSTOM PAPER SETTINGS

On your Epson SC-F500 control panel go to:

(1) Settings

(2) General Settings

(3) Printer Settings

(4) Custom Paper Setting

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### CUSTOM PAPER SETTINGS

(5) Select a new or free setting

(6) Select Change Name

(7) Change it to „S-RACE TACKY 100“ and confirm by clicking „Ok“ in order to find your setting afterwards in the printer preferences.

(8) Then select Advanced Media Setting

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### CUSTOM PAPER SETTINGS

(9) Setting for Drying Time

(10) Set „Drying Time per Pass“ to 2.5 sec.*

(11) Set „Drying Time per Page“ to 0.4 min.*

Confirm both by clicking „Ok“.

(12) Click on „Home“ button, the new media is installed. You can also choose it on the home-screen, click on the media › select Change Paper Type

* These settings are only necessary by using very high ink loads (~ 400%) to avoid drying issues with the metal feed-rollers which are touching the paper immediately after the print. By using lower ink loads shorter drying times per pass and per page are possible. Testing is essential.

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### ICC COLOUR PROFILE INSTALLATION

To include the ICC colour profile onto your computer, it is necessary to install it. Simply doubleclick on the ICC file or right mouse click and press install. The ICC colour profile is now available on your system and in the printer settings.

### IMPORT CUSTOM PRINTER SETTINGS

To implement the ICC profile correctly in the printer preferences and to have the correct colour-management set, we have prepared a preset file. Open the Epson SC-F500 printer properties. Click on „Select Setting“ and choose „Custom Setting“.

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### IMPORT CUSTOM PRINTER SETTINGS

Open the Epson SC-F500 printer properties. Click on „Select Setting“ and choose „Custom Setting“. At the bottom of the newly opened window, select „Import...“ and then open the preset file „Epson SC-F500 S-RACE Tacky 100.ssf“.

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### IMPORT CUSTOM PRINTER SETTINGS

Back to the printer properties, select under „Media Type“ the created media „S-Race Tacky 100“.

The correct setting and media type have now been chosen. Within these settings, all necessary details are automatically stored, such as print quality and ICC profiles.



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### IMPORT CUSTOM PRINTER SETTINGS

If the ICC profiles were installed correctly, your settings will look like this:

If the ICC profiles were installed correctly, your settings will look like this. If not, select ICM Mode › Driver ICM (Advanced) › Check the box „Show all profiles". Then select the correct printer profile.

*Please note: The above is a general recommendation. Results can vary per substrate. Testing is essential.*

## Storage

Store paper only in original packaging under normal climatic conditions (23°C, 50 % RH). Protect the paper from direct sunlight. It is recommended to adapt the paper to indoor climate at least 24 hours before usage.

## Need support?

Felix Schoeller's sublimation team S-RACE® can offer assistance on ICC printer profiling. Just use the contact form on our website and write us a message.

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