



Technical Data Sheet

- **Printex Super Mattweiss**
- **Water Based // Ecological // White Pigment Printing Paste**

PRODUCT DESCRIPTION

- **Printex Super Mattweiss** is a completely ecological // white screen printing ink used for high fastness and soft handle.
- Printex Super Mattweiss works easily in the screen without being effected from ambient temperature.
- It allows much more comfortable and long work possibility compared to other conventional water-based screen printing inks in the negative environments created by high temperature and flash drying process.
- It can be easily used in automatic printing machines or table printings in high efficiency.
- It has a high color efficiency. It is possible to obtain lighter pastel tones by putting Turamin Color Pastes into the product.
- It can be used as background printing ink.
- Printex Super Mattweiss is ecological. It does not contain PVC - phthalate - formaldehyde-APEO.

CHEMICAL AND PHYSICAL PROPERTIES

Physical status: Paste

Color : White

Odour : Characteristic

Ph : 8.5-9.5

Flashpoint : ND(Not Available.)

Explosion Limit : ND(Not Available.)

Density : 1.45-1.55 g/ cm³ 20°C

Viscosity : 80.000-100.000 cPs (Haake viscosimeter Sp 5/20 rpm) 20°C



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APPLICATION FEATURES AND METHODS

- Super Mattweiss printing ink does not dry in the screen.
- It can be easily used over light and dark fabrics and for multi color prints.
- Due to its high opacity gives it enables successful results in dark backgrounds.
- Product's washing and rubbing fastness is in optimal level.
- It can be colored 3-5% with Turamin pigment concentrates. Due to white it contains, the pigments will be in light pastel shades, and it may not give deep and darker shades.
- In case of highly pigmented recipes, fastness checks should be done and **Printex Fixirer New** should be added(1-3%), if necessary.
- If extra softness is desired, **Printex Eco Softener** % 3 - 5 may be added.
- If extra thinning is desired, **Antidry** %1-5 may be added.
- If extra thickening is desired, **Thickener** may be added.
- It is recommended to fix the product at minimum 120 - 130°C for 2 - 3 minutes.

It is necessary to conduct all the print tests before starting production.

Shelf Life:

It must be protected against freezing and kept away from direct sunlight. 1 year in unopened package.

Recommended Silk Numbers:

According to the desired print results, it is possible to work with different silk numbers.

For Opaque (covering) printing results	: 43-55T
For light background printing results	: 62-77T
For higher resolution prints	: 90T



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Fixation:

In fixing tunnel (the machine): It requires fixation for minimum 2-3 minutes at 120°C – 130°C.

Fixation process of Printex group printing inks should be done properly. They may dry much later compared to usual conventional water-based printing inks.

Final fixation after printing should be applied in optimum values of the process.

Fixation process, which has not been done properly, causes sticky surface over fabric.

Failure to complete the fixing process leads to problems in printing fastnesses.

The addition of **Printex Fixirer** (%1-3) or **Printex Catalyzer SV22** (%1-3) is recommended in order to increase the print fastness to optimum level when the fixation process is insufficient.

It is recommended to make the last fixation process for 2 minutes at minimum 130 degrees for optimum washing fastnesses.

Note: All printing tests should be done before proceeding to serial production. The information provided in this Technical Data Sheet is advisory, does not constitute guarantee, it may arise different results with different printing media and technologies.

Safety

While using this product, the information and recommendations provided in the **Safety Data Sheet** should be examined. Precautions required for the use of chemical should be taken sensitively.

APPROVAL