

# Technical Data Sheet

## STX

### General Description

- Daylight and ultra-violet responsive fluorescent toner - free of formaldehyde - for water based formulations.
- A dyed/pigmented polyester resin.

### Applications

- Water based inks for flexo and gravure.
- Water based paper coating, felt tip markers.

### Product Features

- STX toners represent a unique fluorescent ink system which, although delivered in dry form, is totally water-soluble in high concentrations.
- With the addition of a small amount of ammonia and alcohol, but without other binder additives, a complete water ink system for flexographic and/or gravure ink can be formulated.
- STX exhibits excellent transparency making it the system of choice for printing on foil and films. To obtain the maximal fluorescent effect, printing on a white background is recommended.
- Free of formaldehyde.
- For aqueous formulations, the use of preservatives is highly recommended. The right preservative package (combination of bactericides and fungicides) should provide reliable, highly effective control of micro-organisms in the intended formulation.

### Standard Colors

Product Name	Description
STX-09	UV Blue
STX-10	Chartreuse
STX-13	Orange
STX-15	Red
STX-17	Pink
STX-18	Magenta

### Packaging:

1 box = 20kg  
MOQ = 20kg

### Storage & shelf life:

12 months after production date when kept in closed original packaging in a dry place at ambient temperatures and away from humidity.

### Safety & regulatory:

Safety Data Sheet available on request.

### Physical properties

Delivery form	Coarse powder
Particle size (Laser diffraction)	70 – 90 µm
Melting point	75 – 110 °C
Specific gravity	1.2 g/ml
Bulking value	0.6 g/ml

Test methods and Certificate of Analysis (COA) available on request.

### Processing

Solvent resistance	Completely soluble in water based formulation.
--------------------	--

STX toners are designed for use at industrial sites as described in EU COMMISSION REGULATION 2023/2055 of 25 September 2023.

Disclaimer: Our technical advice, information, statements, whether given verbally, in writing, or in the form of test results, is offered for your guidance without warranty. No warranty for fitness for a particular purpose is made. This also applies where protective rights of third parties are involved. It does not release the user from obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our product.