

TiloSperse 7001

Description

TiloSperse 7001 is a 100% active polymeric dispersant designed to optimize dispersion and stability in UV cured coatings used in inks and paints. This high-performance additive ensures uniform particle distribution, improving color strength, minimizing agglomeration, and ideal viscosity. Incorporating TiloSperse 7001 allows for efficient pigment utilization, ultimately elevating product quality and coating performance.

Advantages

TiloSperse 7001 features the following advantages:

- **100% Dispersant:** Ensures a consistent and robust performance throughout applications.
- **Anti-flocculation:** Prevents pigment particles from clumping together, ensuring a smooth finish.
- **Decreased mill-base viscosity:** Allows for easier mixing and application.
- **High Pigment Loading:** Maximizes the use of pigments, ensuring vibrant and vivid colors.
- **Improved Color Strength and Development:** Brings out the full potential of the pigment, leading to brighter and more radiant colors.
- **Increased Gloss:** Provides a rich shine to the end product.
- **Decreased Milling Time:** Reduces production time, leading to faster outputs.
- **Fast Wetting & Milling Efficiency:** Ensures pigments are quickly and thoroughly integrated.
- **Particle Size Reduction:** Delivers a finer and more even texture in products.
- **Radiation Curable & UV Curable:** Suitable for modern curing methods ensuring durability.

Applications

"TiloSperse 7001" is suitable for a broad range of applications. Some notable uses include:

- UV Offset inks & UV Coatings
- Vehicle & Industrial Paints (aromatic solvent-based)
- Particle Dispersions
- Building & Construction Coatings
- Industrial OEM Coatings
- Protective Coatings
- Transportation Coatings
- Analog and Digital printing inks

Typical properties

Composition	100% active polymeric dispersant
Appearance	Amber waxy viscous liquid
Product odour	Slight
Melting point [°C]	Approximately 35 °C
Density [kg/m ³] (liquid)	0.99g/cm ³
Decomposition temperature [°C]	>250°C

Recommended dosage

The optimal dosage of "TiloSperse 7001" may vary based on the specific application and desired properties.

- Organic pigments: 5%~15%
- Carbon black: 10%~30%

To achieve optimal performance, it is recommended to use "TiloSperse 7001" together with with "TiloSperse 5007" for dispersing black, blue & green and "TiloSperse 5002" for red & yellow.

Storage

The product may solidify below 35°C; warm to 50°C and mix before use without affecting efficiency. Store at room temperature. The product has a 2 year shelf life.