

FoamStab FS-530

Fluorosilicone Defoamer for Solvent and Solvent free Coatings

Overview

FOAMSTAB FS 530 is a FluoroSilicone (Fluoro+Silicone) specialized defoamer and leveling agent designed explicitly for use in solvent-borne and radiation-curable coatings. Its unique formulation ensures defect-free foam control, which is critical in achieving high-quality finishes in protective, wood, flooring, and other industrial coatings. FOAMSTAB FS 530 is highly effective, even in low concentrations, ensuring efficient foam control with minimal silicone addition. Its clear and colorless nature does not impact the coating's clarity, and it has a low tendency to cause craters. FOAMSTAB FS 530 can be seamlessly incorporated during the let-down stage of the coating process, avoiding surface defects and guaranteeing quality finishes.

Product Benefits

Efficiency and Compatibility: Fluorosilicone defoamers, such as FOAMSTAB FS 530, are highly efficient, particularly in challenging environments. They offer excellent defoaming and antifoaming properties without negatively impacting the surface appearance or recoatability of coatings.

Chemical Flexibility: The molecular structure of fluorosilicone allows for modifications, enhancing compatibility with various coating systems. This adaptability makes them suitable for high-gloss and sensitive coatings where maintaining color and gloss is crucial.

Limitations: Despite their effectiveness, fluorosilicone defoamers can have issues with recoatability and surface slip in some applications. They are also less stable in extreme pH conditions, working best within a pH range of 5-9.

Effective Foam Control: They are highly efficient at reducing and controlling foam during the manufacturing, application, and drying of coatings. This leads to a smoother finish and better aesthetic appeal of the final product.

Compatibility with Diverse Coatings: Fluorosilicone defoamers are compatible with a wide range of solvent based and solvent free coatings.

Improved Surface Appearance: They help in achieving a uniform film formation, which is crucial for coatings applied on surfaces like wood, metal, or plastic. This results in an enhanced surface appearance with fewer defects.

Low Dosage Efficiency: Highly effective at low concentration levels making them a cost-effective option for large-scale industrial applications.

Resistance to Yellowing: Fluorosilicone defoamers often exhibit excellent resistance to yellowing, which is important for maintaining the color integrity of coatings over time, especially in clear and light-colored systems.

Enhanced Durability: They can improve the durability of coatings by reducing the likelihood of film defects that can lead to peeling or chipping.

Specifications

Solvent	Cyclohexanone
Density at 20 °C	0.94 - 0.96 g/cm ³
Refractive index	1.445 – 1.455
Flashpoint	42 °C
Appearance	slightly yellowish to Transparent liquid

Packaging

25 Kg Plastic Pail
220 Kg Barrel
1100 Kg IBC Totes

Other information

FOAMSTAB FS 530 is an effective defoamer that helps prevent the formation of foam and blisters during the manufacturing and application process. It's compatible with most resin systems, and its excellent defoaming properties make it ideal for medium-viscosity applications applied by brush or spray. We recommend customers experiment with all three products to determine the most suitable defoamer for their specific application requirements. FOAMSTAB FS 530 is particularly well-suited for systems with low-to-high polarity and is recommended for use in brush and conventional spray applications.