

IFCA-2020

Polyurethane Leveling Agent



Technical Data Sheet

Name: IFCA-2020

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Product Description

IFCA-2020 is a non-ionic polyurethane leveling agent, suitable for high-gloss and low-VOC systems. It has weak association and can effectively improve high-shear viscosity. It also has slight thickening performance and will not cause delamination. It gives water-based coatings excellent Leveling, high gloss, high hardness and fullness of the paint film.

IFCA-2020 has excellent brush retention, splash resistance, water resistance and water separation resistance. IFCA-2020 has low foaming, good film-forming properties, high transparency, does not cause defects such as fogging, and has anti-microbial and anti-mildew properties. It does not contain metal organotin and is an environment-friendly product.

Properties

1. Give water-based coatings excellent leveling, high gloss, high hardness and fullness of the paint film
2. It has excellent brush retention, splash resistance, water resistance and water separation resistance
3. Low foaming, good film-forming properties, high transparency, no defects such as fogging, and anti-microbial and anti-mildew properties
4. No metal organotin, friendly to environment

Characteristic data*

Property	Value	Unit
Density (20°C)	1.04±0.02	g/ml
PH (20°C)	7.0±1.0	
Appearance	Slightly turbid to transparent liquid, very slight characteristic odor	
Viscosity(25°C)	<8000	mPa.s
Effective Content	20.0±1.0	%

*These properties are typical but do not constitute specifications.

Use/Compatibility

IFCA-2020 recommends adding an amount of 0.1-1.0%, adding slowly under stirring and fully dispersing at high speed. It is recommended to add it before adding the emulsion to obtain high gloss performance, and the amount of addition should be properly adjusted according to the viscosity requirements of the product.

IFCA-2020 is designed for a wide range of coating formulations, and can be used to prepare interior and exterior wall coatings ranging from matte to high-gloss. It has excellent performance in styrene-acrylic, pure acrylic and vinegar-acrylic systems, and is especially suitable for high-gloss, high-hardness finish coating system. It is widely used in water-based industrial coatings, does not cause defects such as fogging, and provides good film fullness.

IFCA-2020 has good formulation compatibility with cellulosic thickeners and alkali-swellaable thickeners, and can be freely matched with cellulosic thickeners and alkali-swellaable thickeners.

IFCA-2020 does not recommend using it alone as the main thickener, it is better to use it as a synergistic thickener to obtain excellent fluidity.

Storage

The product should be stored in dry condition between 5~35°C with the integrity of the packaging, and prevented from direct sunlight. The validity of this product is for 12 months, performance assessment is recommended before use after shelf life. The product should be protected from freezing during storage. It is suggested to filter before application and use up once the package is open.

Disclaimer

Foshan Shunde Infinechem Co., Ltd. recommends that customers should check with Materials Safety Data Sheet (MSDS) for details about safety instructions. We also suggest that you contact the suppliers of other materials used in our recommended formulations and consult appropriate health and safety regulations prior to use. The information contained herein is believed to be reliable. However, nothing in this technical sheet should be considered as a representation of warranty, express or implicit, regarding the product characteristics, application, quality, safety, merchantability or fitness for a particular purpose. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.