

IFC-1610



Pure Acrylic Emulsion with Excellent Water and Stain Resistance for Finish Varnish

Technical Data Sheet

Name: IFC-1610

Revision Date: 2023-08-04

Version:1.3

Product Description

IFC-1610 is a core-shell acrylic emulsion with a similar "lotus leaf effect" structure. Its unique core-shell ratio and Tg difference make it have a special structure in the film-forming process. The raised part is highly hydrophobic and the soft part is relatively Hydrophobic and has special water-locking groups, which makes the overall water resistance of the paint film excellent.

At the same time, this structure reduces the large area of direct contact between dust and paint film. The special water-locking group can form a water film, eliminate surface static electricity, make it difficult for dust to adhere firmly, and achieve excellent stain resistance. In addition, IFC-1610 also has excellent weather resistance, paint matching adaptability, and stability, and is very suitable for high-gloss finishes of various exterior wall coatings such as colorful paints and flat coatings.

Properties

1. Good transparency, dense film formation, excellent water resistance
2. Excellent stain resistance
3. Good yellowing resistance
4. Good versatility
5. Good adaptability to paint matching

Characteristic data^{*}

Property	Value	Unit
Type	Acrylic copolymer	
Appearance	White & light blue milky liquid	
PH (25 °C)	8±1	
Viscosity	20-180	cps
Solid content	42±1	%
MFFT	15±2	°C
Ionicity	Anionic	
Grain size	0.05-0.15	μm

*These properties are typical but do not constitute specifications.

IFC-1610



Storage

The product should be stored in dry condition between 10~35°C with the integrity of the packaging, and prevented from direct sunlight. The validity of this product is for 6 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.