

IFC-1611



Varnish for hard hardness, high-gloss overcoat

Technical Data Sheet

Name: IFC-1611

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Product Description

IFC-1611 is a highly crosslinked silicone-propylene overlay emulsion, in which the introduction of special silicone components allows the film to form uniform nanopores, which allow air to come in and out freely and at the same time prevents water molecules from coming in and out, which not only ensures the film's water resistance in the early stage, but also greatly improves the film's strength building speed. The special polymerisation process results in a linear change in the composition and Tg of the polymer, giving it a dense film with high gloss and low water permeability.

In addition, through the optimal matching of the ratio of specific hydrophilic substances, the water molecules can be adjusted through the penetration of the hydrophilic part of the film when soaking for a long period of time, avoiding the formation of large water molecule aggregation area resulting in the phenomenon of whitening, so that the film after soaking in water, permeability, strength and adhesion are all better than the traditional products.

Properties

1. High hardness and scratch resistance
2. High gloss, high fullness
3. Excellent water whiteness resistance
4. Excellent weather resistance

Characteristic data*

| Property | Value | Unit |
|---------------|---|-------|
| Type | Silicone-propylene copolymerised acrylate polymer | |
| Appearance | Milky white & bluish liquid | |
| Solid content | 46±1 | % |
| PH | 7.0±1 | |
| Viscosity | 100-1500 | mPa.s |
| MFFT | 23 | °C |
| Particle size | 0.05-0.15 | µm |
| Ionicity | Anionic | |

*These properties are typical but do not constitute specifications.

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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

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