
SQ-720008 Soft Touch Matte UV Varnish

Description

SQ-720008 single-component UV matte touch oil is mainly used for hardening the surface of PC, PET, PMMA, PC/PMMA composite sheets or membranes. It can be applied by spraying, shower coating, roller coating and other methods. After the coating is formed into a film, it has good adhesion to the substrate and can protect the surface of the coated material for a long time. The coating process is simple and the production efficiency is high. The coating has good optical properties, high cross-linking density, low curing shrinkage, extremely high hardness and excellent wear resistance. It can be used to make texture decoration and shell molding for mobile phones, laptops, home appliances and other products. Good chemical resistance and high transparency.

Technical data

Test items	Test Data
Appearance	Transparent liquid
Viscosity (apply 4 cups/25°C)	8.0-9.5S
Solid content (%)	50±2%
Density (g/cm ³ , 25°C)	0.90±0.05
Hardness (1Kg force load)	1H-3H
Coating thickness (μm)	5-15
Boiling performance (surface spray paint, no primer 100°C/60min)	Adhesion 5B, no change in coating
Bending (cylindrical shaft diameter)	45mm
Curing energy (mercury lamp, mj/cm ²)	600-1,000
QUV resistance performance	More than 400h
Anti-friction performance (4 pounds load, wear-resistant machine)	More than 2500 times
Anti-graffiti (Zebra oil-based pen)	Good
Water contact angle	108°

Note: The above performance parameters can be customized according to customer requirements

Performance

Unique sensory effect, soft matte effect and feel, visual and tactile impact give the product a unique style and taste

The film is transparent, has good leveling properties, and has fine and even mattness.

Better chemical resistance than water-based touch oil

Applications

Construction technology

1. The commonly used coating methods for UV-type universal wear-resistant hardening fluid are spray coating, shower coating, and roller coating. Please avoid exposure to sunlight;
2. The product does not require any pre-treatment (including dilution). It is recommended to shake before coating to make the liquid evenly distributed;
3. When performing shower coating, the nozzles of the shower coating equipment should be sprayed from the same horizontal line from left to right. Please refer to the equipment manufacturer's instructions for the specific process;
4. After the shower coating is completed, keep the plate running vertically for about 2 minutes so that the surface can be freely evaporated and leveled, and then enter the 60-70°C drying tunnel and maintain vertical heating for 3 minutes;
5. After heating, enter the UV curing lamp area for routine curing. The specific curing time is recommended to be adjusted according to the energy of the lamp. If conditions permit, the time can be extended appropriately, which will help improve the hardness of the film layer; (The energy of the UV curing lamp during the test experiment was 2000W. Lamp tube length 30cm)
6. After curing, cool the plate to room temperature and then measure its performance directly;
7. Please clean the equipment thoroughly with organic solvent after curtain coating.

Precautions

1. This product has been diluted to a solid content and viscosity suitable for roller coating. It can be diluted with a solvent before use. If customers need high solid content and dilutable products, our company can provide corresponding high solid content products and corresponding diluents according to the customer's specific requirements;
2. This product contains flammable components, please pay attention to fire prevention during transportation, storage and use.

Storage

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Recommended storage temperature is not higher than 30°C. Unused products must be sealed and stored in a timely manner and cannot be stored in the open. Safe storage time is 6 months at room temperature(25°C) and under ventilation. 1KG/5KG/25KG/barrel

Tips:SQ-720008 UV matte touch oil, with good slipperiness, uniform matteness and good steel wool resistance.

Note: Technical data represents typical values only. In view of the differences in formulas, production process, conditions, all the above statements must be adjusted according to the actual situation, our company does not make any promises. Our company reserves the right to reform its products without prior notice of any changes.