Lencolo®
蓝柯路

TDS

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Lencolo 8780 Air-drying Nano Silicon Polymer for Topcoat

Description

Lencolo 8780 has a high hardness of up to 8H, providing excellent protection for various substrates. In addition, its relatively low surface energy imparts outstanding water- and oil-repellent properties.

Technical Data

Composition	Nano silicon modified polymer
Appearance	Transparent liquid
Specific Gravity	1.05 ± 0.5
Solid Contend	100%

Product Features

The coating film exhibits high surface hardness, with pencil hardness reaching up to 8H. It is especially suitable as a topcoat for epoxy floor coatings, enhancing surface wear resistance, chemical resistance, and acid/alkali resistance, while reducing scratches from hard particles such as sand.

Exhibits excellent adhesion to a wide range of substrates, including various metals, wood, bamboo, ceramics, marble, cement, tiles, and epoxy floor coatings.

Exhibits excellent high- and low-temperature resistance, ensuring outstanding thermal stability. It remains virtually free from decomposition, aging, or discoloration even under high-temperature conditions of up to 250°C.

Exhibits excellent UV and weathering resistance, with minimal aging caused by ultraviolet exposure. The coating shows very little yellowing, chalking, or gloss loss, maintaining stable film properties over extended periods.

The coating's low surface energy imparts outstanding water- and oil-repellency, providing excellent anti-graffiti and easy-to-clean properties.

Applications

Widely used on floors subject to forklift or heavy vehicle traffic, or requiring sound dampening, as well as in electronics for PCB protection, wood for anti-corrosion and mildew resistance, and metal surface protection.
Typical applications include airports, docks, subway stations, office buildings, schools, hospitals, commercial buildings, supermarkets, sports fields, stadium stands, parking lots, aprons, ships, and industrial facilities.

Recommended Usage

Dilution ratio Lencolo 8780 : PMA = 1: 1.0 ～ 1.5
It can be applied by rolling, dipping, flow coating, spraying, or troweling. The cured film exhibits high gloss, excellent thickness/fullness, high transparency, breathability, and hardness. It also provides outstanding water- and stain-resistance, wear resistance, easy cleaning, electrical insulation, and other protective properties.
Drying time: Surface dry at 25°C in 2 hours; fully cured in 5–7 days.
Heat curing is also possible, but the relative humidity must be maintained above 85% during the process.

Storage Conditions

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(25ºC) and under ventilation. 25KG/180KG/barrel

Tips: Lencolo 8780 features high hardness and excellent scratch resistance.