

# UVICHEM 8500



**UVICHEM 8500 is a UV-curing paint for films that mainly consists of UV-curing oligomer and monomer. It features outstanding adhesiveness, scratch resistance, crack resistance, and contamination resistance.**

Usage

UV-curable paint for PET films

## Specification

Paint type	UV-curable paint		
Product features	<ol style="list-style-type: none"><li>1. UV-curing coating agent featuring low yellowing effect</li><li>2. After curing, it offers outstanding elasticity due to its flexible film as well as superior scratch resistance.</li><li>3. Eco-friendly paint featuring outstanding adhesiveness for plastics, rubber, GPET surface, etc.</li><li>4. It features outstanding exterior look, high glossy, and chemical resistance.</li></ol>		
Exterior	Semi-transparent liquid	UV-curing conditions	300 - 400 mJ/cm <sup>2</sup>
Specific gravity (25 °C)	1.10 ± 0.05	Viscosity (KU/25 °C)	55 - 65
Coverage (g/m <sup>2</sup> )	5 - 10	Solid content (%)	Above 99
Color	Transparent	Shelf life	12 months
Mixing ratio	One-component	Thinner	Dilute it by selecting and using a solvent according to the process.

## How to Use

Surface treatment	<ol style="list-style-type: none"><li>1. Substrate processing</li></ol> <p>Completely remove oil, moisture, sand, dust and foreign substances from the surface.</p> <p>Remove dust and static electricity using an air shower and an ionizer if necessary.</p> <p>Residual contaminants may result in defective film exterior and adhesion.</p>
Coating Method	<p>Coating method</p> <p>Paint using a roll coater or gravure coater.</p> <p>There may be deviations in the application amount and gloss depending on working conditions (roll speed, work site temperature).</p> <p>Avoid flammables during and after painting and perform sufficient ventilation.</p> <p>Drying method</p> <p>Dry it by passing it through a UV lamp. 700 mJ/cm<sup>2</sup> or above recommended.</p> <p>There may be deviations in drying and gloss depending on the light intensity of a UV lamp.</p>

► This data sheet is based on the test results and knowledge that NOROO produced or possesses, and may change without notice for quality improvement.