

ECO UV TOP(NANO CERAMIC)



ECO UV TOP(NANO CERAMIC) paint is a top coat UV-curable paint for highly rigid wooden floors that consists of urethane acrylate oligomer, reactive monomer, nano ceramic, photoinitiator, and additives. It features superior adhesiveness, scratch resistance, wear resistance, and contamination resistance. It especially features outstanding exterior finish with superior physico-chemical properties.

Usage

Top coat UV-curable paint for highly rigid wooden floors

Specification

Paint type	UV-curable paint		
Product features	1. Outstanding wear resistance, exterior look, and rigidity 2. Outstanding roll workability and transparency		
Exterior	Semi-transparent liquid	Color	Transparent
Viscosity	65 - 80 KU (25 °C)	Specific gravity	1.12 ± 0.05 (25 °C)
Solid content	Over 99 %	Coverage	8 - 10 g/m ²
UV-curing conditions	600 mJ/cm ² or above	Shelf life	6 months

How to Use

Surface treatment	Substrate grinding Perform grinding using a sander and the sand paper with 120 - 220 eyelets and remove the dust with a brush.
Coating Method	1) Roll sufficient amount of water-soluble isolator onto DRC (direct roll coater) (application amount 8 - 10 g/m ²) 2) Dry with hot air for 30 - 40 seconds at 60 - 80 °C and dry with a 120 - 150 mJ/cm ² UV irradiator. 3) Roll sufficient amount of UV W/S-High Rigidity for Wooden Floor onto RRC (reverse roll coater) and adjust the applic 4) Adjust paint viscosity using a thermostat. 5) Use 1 - 2 UV lamps to pre-dry the paint (120 - 150 mJ/cm ²). 6) Roll sufficient amount of UV S/S-High Rigidity for Wooden Floor onto DRC (direct roll coater) and adjust the applicati 7) Use 1 - 2 UV lamps to pre-dry the paint (120 - 150 mJ/cm ²). 8) Adjust paint viscosity using a thermostat. 9) Roll sufficient amount of UV S/S-High Rigidity for Wooden Floor onto CRC (combination roll coater) and adjust the a 10) Use 4 - 5 UV lamps to dry the paint completely (At least 450 mJ/cm ²). 11) Adjust paint viscosity using a thermostat. 12) Use a sander and the sand paper with 320 - 400 eyelets to perform grinding. 13) Roll sufficient amount of UV TOP (NANO CERAMIC) for Wooden Floor onto DRC (direct roll coater) and adjust the a 14) Use 1 - 2 UV lamps to pre-dry the paint (120 - 150 mJ/cm ²). 15) Roll sufficient amount of UV TOP (NANO CERAMIC) for Wooden Floor onto DRC (direct roll coater) and adjust the a 16) Use 5 - 6 UV lamps to dry the paint completely (At least 600mJ/cm ²).

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