Photocatalyst coating fluid

WG-C1290（Concentrated type）

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1. Description

WG-C1290 is the coating agent that is available to apply on glass surfaces and easy to dry out. After the coating application, the surface becomes hydrophilicity, and the efficacy lasts long-term by photocatalyst performance. We also have same quality product “WG-M12” that is diluted WG-C1290 at 5times.

Characteristics	➢ High hydrophilicity effect ➢ Good adhesion to glass surfaces ➢ Long-term hydrophilicity effect
Product type	➢ WG-C1290（Water based）Concentrated type, Not DG ➢ WG-M12（Alcohol / Water based）DG
Dilution ratio (Unit：litter)	WG-C1290　1：Ethanol 4 Ex: WG-C1290 1ℓ ： Ethanol 4 ℓ、Final Product 5ℓ（WG-M12）
Appearance	White
Main component	Silica, TiO2
How to apply	Spray, Brush
Application amount	20 – 25g/1m2 (WG-M12)
How to dry	Air dry： 25deg C×120 min (After 120min, available to get wet.)
Appearance after dry	Transparent
Application site	Glass
CAUTION	1.Please exchange air in a room properly because the solvent is alcohol. 2.The appearance will become white if the dilution ratio is high.
NOTE	1. Storage temperature is 5～30 deg C 2. Please store in a cool, dry place away from direct sunlight. Please seal tightly after use. 3. Conform to SDS.

2. TEST DATA

(1) TEST RESULT

Performance	Condition		Appearance
Peeling	JIS K5400 8.5.2		10 points（100/100）
Hydrophilicity	Average at 3 points	Initial	Water contact angle 8°
		Humidity resistance 80deg C RH85%×150hr	Water contact angle 16°
		Hot water resistance (Dipping)80deg C×150hr	Water contact angle 16°
Hardness	JIS K5400 8.4.2 Pencil hardness		H
Heat resistance	－10℃×150hr		No change
	80℃×150hr		No change
Water resistance	Cold water 5℃×150hr		No change
	Hot water 80℃×150hr		No change
Humidity Resistance	80℃ RH90～95% 150hr		No change
Frost Durability	－10℃×150hr		No change