

# XOANONS® Anti-graffiti and easy-cleanability leveling agent

## Model number

XOANONS®WE-D9312

## Specification

Composition	Silicon modified hydroxyl acrylic resin solution
Appearance	slight yellowish to yellowish clear liquid
Solvent	BAC/PMA
Content	53±3% (140°C 2h)
Density	1.00-1.04g/ml(25±1)°C
Viscosity	1000-6000mPa·s (Rotating viscometer)(25±0.2)°C
Hydroxyl value	152±5 mg KOH/g (Theoretical value of solid resin)

Note: This data sheet is intended to give typical results, not standard. Subject to COA.

## Application system

Solvent-based

## Properties

- Increase slip. Improve hydrophobicity and oleophobicity.
- Provide anti-marker wiping performance.
- Provide lotus.
- Specially recommended for use in matte white paint, with good anti graffiti effect.

## Incorporation

It can be added at any stage of the production process, including post addition.

## Suggest addition

Addition to total formulation 5-8%

## Storage stability

Keep intact 24 months in original package. Products beyond the storage period may continue to be used after inspection. The container must be closed immediately after use.

## package

25KG / 180KG

## Attachment: XOANONS® WE-D9312 Application Performance Testing

### 1. Application experiment formula:

Glossy white paint

Raw material	proportion%	remarks
YP3822	30	Saturated polyester resin
WE-D210R	0.7	XOANONS® dispersing agent
Titanium dioxide powder	35	BLR-699
Mixed solvent	11.1	
Disperse the above to a fineness <10 μ m. Add the following materials		
YP3822	10	Saturated polyester resin
YP5603	10	Methyletherized amino resin
Mixed solvent	2.4	
BD7732	0.5	acid catalyst
WE-D887R	0.3	XOANONS® leveling agent
total	100	

Matte white paint

Raw material	proportion%	remarks
Glossy white paint	95	
YB0113	5	Matte powder
total	100	

### 2. Experimental steps:

2.1 Prepare polyester amino matte white paint according to the above formula, with a gloss of 9-10 degrees at a 60 ° angle.

2.2 Add 2.5% and 5% anti graffiti additives separately and mix evenly.

2.3 Coated on aluminum plate, baked at 250 °C for 1 minute, with a dry film thickness of 10-15μm.

2.4 Test the performance of oil pen resistance.

### 2. Experiment result:

addition	product	ΔE
2.5%	Similar product 3700	>20
	XOANONS®WE-D9312	>20
5%	Similar product 3700	6.51
	XOANONS®WE-D9312	4.34

Explanation:

Oil pen model: Deli 6824

ΔE: The oily pen evaporates until dry, and the color difference between the wiped area and the unwritten area after dry wiping, the larger the value, the more obvious the residual traces.