

XOANONS® Dispersing agent

Model number

XOANONS®WE-D2173R

Specification

Composition	Solutions of polymer block copolymers with pigment affinity groups.
Appearance	Yellow to reddish brown transparent liquid
Solvent	DPMA
Active substance	40%
Density	1.00-1.04g/ml(25 ± 1)°C
Viscosity	100-1000 mPa·s (Rotating viscometer)(25 ± 0.2)°C
Flash point	> 70°C

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

Application system

Solvent-based system

Properties

- Dispersion of medium and high pigment carbon black and organic pigments has excellent dispersion efficiency and viscosity reduction ability. Excellent storage stability.
- Specially recommended to disperse A3B red pigment, which has excellent viscosity reduction, color spreading and tinting strength.

Incorporation

The dispersant should be added to the grinding material and stirred well, then add the color to grind and disperse.

Suggest addition

Inorganic pigments	1-10%
Organic pigments	15-40%
Carbon Black	25-100%

Storage stability

Keep in the original unopened package for 24 months. After the storage period is exceeded, the product can be used after passing the inspection. Before the container is completely empty, it must be tightly closed immediately after use.

Package

25KG / 180KG



Application examples of XOANONS[®]WE-D2173R for A3B red pigment

Resin system: 2KPU system.


A3B pigment concentration: 10%.

Dispersant addition: 40% for A3B pigment.

■Application properties

		10% A3B red pulp performance	
		Similar 163	WE-D2173R
Fineness,μm		17	10
Viscosity reduction			
color spreading	L	39.02	39.26
	a	42.36	42.71
	b	17.89	18.26
60°gloss		80.7	82.4
color spreading picture			
		white dilution performance	
		Similar 163	WE-D2173R
tinting strength	L	63.8	58.81
	a	34.03	38.54
	b	0.49	2.28
60°gloss		87.2	86.3

This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above mentioned statements have to be adjusted to the circumstances of the processor.

finger grinding color difference	ΔL	0.33	0.48
	Δa	-0.85	-0.79
	Δb	0.27	-0.08
	ΔE	0.95	0.92
finger grinding picture			

■ Conclusion:

XOANONS®WE-D2173R has excellent viscosity reduction, color spreading and tinting strength for A3B red in 2K PU system.