

TECHNICAL DATA SHEET

KOTIAN Code: 2202**Polyester Acrylate**

Description

2202 is a difunctional polyester acrylate characterized by fast curing speed, excellent surface drying, good flexibility, low shrinkage and strong adhesion. It can be formulated without benzene upon request.

Basic physical properties

Appearance	Yellowish viscous transparent liquid
Gardner (Fe-Co)	≤ 2
Viscosity (cps/25℃)	25000-35000 (NDJ-79 Viscometer)
Acid value (mg KOH/g)	≤2.0
Functionality	2
Refractive index (25℃)	1.529±0.005
Density(g/ml)	1.36±0.02
Packing specification (kg/iron drum)	260

Suggested applications

UV wood coating, high quality screen inks, gold and silver card paper, matte or gloss oil.

Matters need attention

- The product should be stored in a cool, well-ventilated indoor area, tightly sealed and protected from light and moisture.

- The product has a shelf life of 12 months at room temperature. Expired products may still be used after passing quality inspection.
- This product is classified as low toxicity. Avoid direct skin contact. In case of contact, rinse immediately with detergent and water.

Application examples

Wood primer		Coating specifications		Paper varnish		Coating specifications		
2202	15	Viscosity (cps/25℃)	700	2202	28	Viscosity (Tu-4 cup,sec)	60	
4212	25	Solid content (%)	100	4212	14	Solid content (%)	95	
TPGDA	20	Coating Process		1113	8.5	Coating Process		
				TPGDA	28			
TMPTA	15	Wood panel sanding → roller coating of primer (20g/m ²) → UV curing (120W/cm) → sanding → roller coating and curing of the second and third primer layers		TMPTA	12	Roll coating (20~25μm) → UV curing (300mJ/cm ²)		
PI 1173	5			PI 1173	5			
Talc powder	20			Levelling agent	0.5			
Levelling agent	0.5			Methylbenzene	4			
Gas-phase SiO ₂	0.5			Film performance				
Film performance				Glossy (60°)				103
Curing speed			Good	Curing speed			Good	
sandiability			Good	Flexibility {180° Flexibility(T-fold Test)}			Good	
Adhesion (Cross-cut Test, 3M tape)			100/100	Adhesion (Cross-cut Test, 3M tape)			100/100	

Other related products

1113	Reactive Amine Synerist	Light color, high catalytic efficiency, low odor, no change to red
4212	Epoxy Acrylate Blended with TPGDA 20%	Fast curing speed, good surface drying, high gloss