

KOTIAN 7112**TECHNICAL DATA SHEET****Phosphate acrylate****Description**

7112 is a phosphate acrylate with low viscosity and good compatibility with various UV monomers and various UV resins; it can be used as an adhesion promoter, especially for metals and various plastics with excellent adhesion properties.

Technical indicators

Subject	Criteria
Appearance	Yellow transparent liquid
Color (Fe-Co)	≤ 12
Viscosity (cps/25℃)	600-1200(NDJ-79 type viscometer)
Acid value (mg KOH/g)	270-330
Refractive index (25℃)	1.458±0.005
Density(g/ml)	1.25±0.02
Functionality	2
Package (kg)	220(plastic drum)

Suggested applications

Acts as an adhesion promoter to improve the adhesion of the formulation to the substrate.

Note

- Products should be stored in a low temperature, shabby and drying, ventilated room, seal preservation.

- The storage life at room temperature is 12 months, expired on the check, can still be used.
- This is a low-toxic materials, should avoid contact with skin. Cleanse with detergent once in any touch.

Examples of applications

Heat transfer film UV primer for aluminum buckle plate

Processes	UV adhesive		Paint specification	
aluminum sheet(sheet) ↓ UV primer (as right) ↓ heat transfer film (various patterns) ↓ top coat	6170	30	Viscosity (cps/25℃)	580
	6130	29	Solid content(%)	100
	7112	3	Viscosity (sec/coat 4	144
	HDDA	21.5	Construction Process	
	HEMA	5	Roller coating	
	IBOA	7	Paint film performance	
	184	4	Wetting and leveling	Good
	TPO	0.2	Adhesion(BAG, 3M tape)	100/100
	Leveling	0.3	Impact resistance(kg)	≥20

Other related products

6130	Pure acrylate	Good adhesion to various substrates
6170	Pure acrylate	Good adhesion to various substrates