



KAMSONS CHEMICALS PVT. LTD.

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KAMICRYL-2074

**ACRYLIC POLYMER EMULSION FOR PAPER, COATED PAPER,
METALLIZED SUBSTRATES, FOIL, AND SELECTED POLYOLEFINS**

**Gloss and Transparency
Compatibility With Pigment Dispersions
Alcohol Compatibility, Adhesion
Excellent Film Integrity
High Slide Angle**

TYPICAL PHYSICAL CHARACTERISTICS:

Appearance	Translucent Emulsion
pH	8.3
Non- Volatile %	48.5
Viscosity, cps	700
(Brookfield LVF #2 spindle, 30 rpm, 25°C)	
Glass Transition Temperature, °C(Tg)	-16
Acid Number, (NV)	50
Molecular Weight, Mw	>200,000
Freeze/Thaw stable	Yes
Minimum Film Forming Temp., °C	<5
Typical VOC, % wt.(by GC analysis)	1.2
Density, g/cc, (25°C)	1.05
Flash Point	None

KAMICRYL-2074 is a Rheology Controlled (RC) acrylic polymer emulsion that exhibits superior gloss, transparency, and printability on many substrates common to the graphic arts.

Additionally, KAMICRYL-2074 provides: film formation, excellent rub resistance, water & grease resistance, low foaming, press transfer, high solids, and near Newtonian viscosity.

STARTING POINT FORMULATIONS:

Overprint Varnishes:

KAMICRYL-2074 is an essential component of overprint varnishes that require gloss, holdout, and water and grease resistance.

Compatibility with Alcohol:

KAMICRYL-2074	95.0	95.0	95.0
Water	5.0	---	---
Isopropyl Alcohol	----	5.0	----
Normal Propyl Alcohol	---	----	5.0
	-----	-----	-----
	100.0	100.0	100.0

pH	8.1	8.0	8.0
Initial Viscosity cps	230	430	530
24-Hour Viscosity cps	230	430	560
One week Viscosity cps	230	490	560

Brookfield LVF #2 spindle, 30 rpm, 25°C