



PRESSURE SENSITIVE ADHESIVES

PACKAGING AND BUILDING MATERIALS
EUROPEAN REGION

ROBOND™ PS-1089 Removable Water-Based Acrylic Adhesive

Description and Features

ROBOND PS-1089 is a pressure sensitive aqueous dispersion polymer which may be used neat or as an adhesive formulation base. This polymer demonstrates very high shear strength and moderate tack and peel properties. ROBOND PS-1089 is a versatile polymer that could be used in many protective applications, those applications where easy and clean removability is required after a long period of time.

TYPICAL PROPERTIES (These are typical physical properties and should not be considered specifications)

Appearance	Milky white, liquid
Solid Content	50,0%
Density	1,03
pH	7,3
Viscosity, LVT #2, 30 rpm at 25°C	500 cps
Tg	- 33°C
Storage	Protect from freezing
Shelf life	12 months

TYPICAL ADHESIVE PROPERTIES

Test conditions	5 g/m ² dry adhesive coated on 50µm corona treated PE film	
Peel adhesion	FTM1 on stainless steel (g/25mm)	
Neat polymer	24h	650
	1 week	720
	5 days at 50°C	780
+3% NCO X-linker	24h	260
	1 week	350
	5 days at 50°C	410

Applications

ROBOND PS-1089 is used a very wide range of protective applications. Its exhibits very low peel build-up over time.

ROBOND PS-1089 can be used with a crosslinker such as CR-3 or CR-4, a dispersible polyisocyanate or a carbodiimide respectively. We suggest the addition of 2 to 5 percent crosslinker on resin solids prior to coating.

Please contact your Rohm and Haas Sales Representative or Technical Service for further information.

Properties

- Excellent clarity and water whitening resistance;
- Excellent stability of removability over time;
- High cohesion.

Safety Information

Material Safety Data Sheets (MSDS) are available for all Rohm and Haas products. These sheets contain important information that you may need to protect your employees and customers against any known health and safety hazards associated with our products. We recommend that you obtain copies of our MSDS from your local Rohm and Haas technical representative before using our products in your facilities. We also suggest that you contact your suppliers of other materials recommended for use with our products for appropriate health and safety precautions before using them.

Compliance

- APEO free.
- FDA, 21 CFR 175.105.

We recommend that you make your own determination on the suitability of ROBOND PS-1089 for your particular application. We also recommend that you periodically verify the regulatory status of ROBOND PS-1089.

Technical Service

For any further technical information please contact our technical service :

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