

ADCOTE™ 577A/577B Laminating Adhesive

[This is an abbreviated version of the technical data sheet. Please contact us for the complete version.]

Description

ADCOTE 577A is the isocyanate-terminated polyester urethane component of a two-component adhesive system that requires the use of Coreactant ADCOTE 577B to achieve full properties.

ADCOTE 577A/577B adhesive provides high bond strength and a high level of heat and chemical resistance.

ADCOTE 577A/577B exhibits high initial shear strength that helps mitigate laminate defects.

The cure rate of laminations made with ADCOTE 577A/577B adhesive is dependent on the temperature and relative humidity of the storage or holding area.

Typical Properties

These properties are typical but do not constitute specifications.

	ADCOTE 577A	ADCOTE 577B
Solids	70%	71%
Solvent	Ethyl Acetate	Ethyl Acetate
Mix Ratio	100 pbw	6.4 pbw
Shelf Life	360 days	360 days
	(unopened containers stored in cool, dry place)	

Typical Uses

ADCOTE 577A/577B can be used in all typical laminations for laminating aluminum foil and a variety of polyester, polyolefin and coextruded films typically used in food, medical and industrial packaging applications. ADCOTE 577A/577B can be used in retortable structures to laminate polyester to foil or nylon to foil. The adhesive layer must be separated from the food product by a functional barrier. Consult your Rohm and Haas technical sales representative for suggestions regarding the inner ply; i.e., the foil/cast polypropylene component.

Mixing Instructions

Add the proper amount of ADCOTE 577B coreactant to the ADCOTE 577A adhesive. Mix thoroughly until well dispersed.

Safety, Handling and Storage

- Store in cool, dry, well ventilated area away from heat and ignition sources. Keep container tightly closed.
- Hot organic chemical vapors can suddenly and without warning combust when mixed with air. Ignition can occur at typical elevated temperature process conditions. Please evaluate such processes to assure safe handling conditions.
- Support and ground containers before opening, dispensing, mixing, pouring or emptying. Open with non-sparking tools. If container is warm, open bung slowly to release internal pressure.
- Wash thoroughly after handling. Wash contaminated goggles, face shields, and gloves. Professionally launder contaminated clothing before re-use.
- ATTENTION! Container can be hazardous when empty. Follow label warnings even after container is empty. Do not use heat, sparks, open flames, torches or cigarettes on or near empty containers. Do not reuse empty container without professional cleaning.
- Refer to Material Safety Data Sheet for more information.

Alcohol and similar materials containing active hydrogen can react with ADCOTE 577A adhesive causing inadequate cure.

ADCOTE 577A can react or interact with other components of laminations. Retained solvents, slip additives,

antiblock agents, and contaminated solvents are some of the components that may cause property changes of the film and/or adhesive.

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