

# ENERGY SAVER™ ADHESIVE

## DESCRIPTION

Used for securing Energy Saver vapor retarder fabric to building structural to maintain a continuous vapor retarder.

## FEATURES

- High shear
- Moderate heat resistance
- Good performance on a wide variety of substrates
- Good humidity performance

## TYPICAL PHYSICAL PROPERTIES<sup>1</sup>

<b>Solids</b> .....	58%
<b>Viscosity</b> .....	5000 cP
<b>Solvent, wt%</b> .....	Toluene 80
.....	Heptane 20
<b>Density</b> .....	7.8 lb/gal

## TYPICAL PERFORMANCE<sup>1</sup>

### Transfer coatings on 2 mil polyester

Coating thickness .....	1 mil	1 mil	2 mil	2 mil
Test panel .....	SS	HDPE	SS	HDPE

### 180° Peel (ozf/in)

20 minutes .....	110	92	154	113
24 hours .....	120	104	149	134
1 week @ RT .....	124	N/A	150	N/A
1 week @ 158° F .....	124	N/A	155	N/A
1 week @ 95° F/95% RH .....	115	N/A	136	N/A

### Shear (h)

4.4 psi @ 72° F .....	Indefinite	N/A	N/A	N/A
8.8 psi @ 72° F .....	>168 hrs	N/A	>168	N/A

<b>Tack</b> (ozf/in) .....	150	N/A	172	N/A
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### SAFT (°F)

PET: 1" x 1" x 500 grams .....	193	N/A	180	N/A
1" x 1" x 1000 grams .....	170	N/A	171	N/A
Foil: 1" x 1" x 500 grams .....	170	N/A	176	N/A

1. Not to be used for setting specifications

## **DESCRIPTION**

A high shear, high tack solution rubber pressure sensitive adhesive designed for securing Energy Saver vapor retarder fabric to building structural to maintain a continuous vapor retarder.

## **APPLICATION GUIDE**

Apply by any conventional method including reverse roll and knife-over-roll. Product is designed to be ready for use.

If dilution is required, however, hydrocarbon solvents such as toluene or heptane are suggested. It is strongly advised that evaluations of the adhesive be carried out to determine whether the product is suitable for use under individual coater operating conditions. Typical adhesive deposition is 1 to 2 mils dry for most applications. Drying in a zoned oven is recommended with the last zone as hot as possible to maximize cure rate. Cure is dependent upon drying conditions (heat, dwell time).

## **FDA COMPLIANCE**

The dry film components comply with the compositional requirements of the FDA Indirect Food Additive Regulation 21 CFR 175.105 "Adhesives."

## **STORAGE, HANDLING AND PRECAUTIONS**

Under normal conditions, product is stable for a minimum of 12 months in unopened containers. Store drums in dry areas and keep them tightly covered to prevent solvent loss and contamination. Rotate stock using the oldest material first. Mix the adhesive thoroughly before use and do not mix it with any other products. Consult the Material Safety Data Sheet (MSDS) for hazardous ingredients, flammability, disposal, and related handling information.

Product contains flammable solvents; eliminate all sources of ignition before use. Use with adequate ventilation, avoid breathing of vapor; minimize skin contact. Migratory materials in some face stocks and end-use substrates, e.g., vinyl films and foams, may affect performance. It is recommended that products be thoroughly tested for a particular application before large-scale use is attempted.

## **STATEMENT OF PRACTICAL USE**

As with all pressure sensitive materials, this product should be tested thoroughly under end-use conditions to ensure it meets the requirements of the specific application. This product has not been assessed for medical applications.

## **NOTE**

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, Silvercote, LLC and its affiliates ("Silvercote") specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Silvercote's products. Silvercote specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits. The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

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