

DAUBOND® U8506
Hot Melt Polyurethane Adhesive

Product Description – Daubond® U8506

Daubond® U8506 is a one component, reactive hot melt adhesive. U8506 will react with moisture present in the surrounding air, and in some substrates (wood, etc.), to become a crosslinked, thermoset adhesive. When cured, U8506 exhibits good resistance to heat, cold, and water.

Daubond® U8506 was designed for assembly applications requiring excellent creep resistance.

Application

Daubond® U8506 can be applied with an extrusion or swirl-spray gun; roller coater; or slot die. Use only in equipment intended for reactive hot melts. Do not use in conventional hot melt equipment. For most applications, the recommended application temperature is 120-135°C (250-275°F), and the suggested coverage is 5-15 grams/square foot (2-6 mils).

The bond strength is normally sufficient to allow assembled parts to be lightly handled shortly after nipping or pressing. The bond strength will increase over time, and is generally stronger than most wood substrates within several hours. Full cure takes place in 1-2 days, depending on the moisture available. Laminating 'dry' substrates under conditions of low ambient humidity (<50%) may require that the coated substrate be misted lightly with water if a reasonable cure speed is to be achieved.

Clean Up

Purge equipment with a non-reactive hot melt cleaner designed for PUR (e.g., Daubond CLEANER). Cured adhesive requires a strong solvent (e.g., Daubond PUR REMOVER).

Caution

Daubond® U8506 contains a small amount of free isocyanate (diphenylmethane diisocyanate). Use with adequate forced air ventilation. Please refer to the MSDS before using this product.

Storage Conditions/Shelf Life

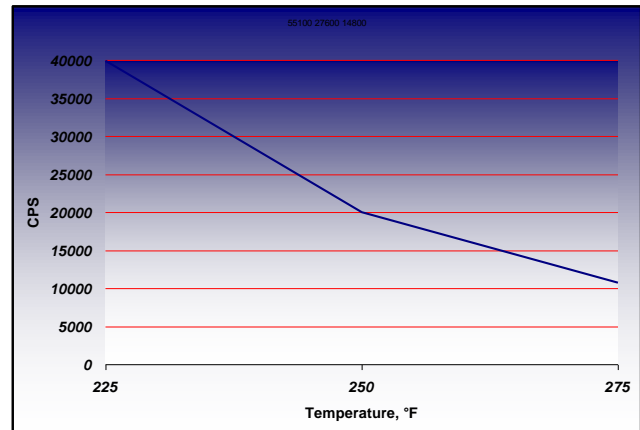
Store in original unopened containers and use within 3 months from date of manufacture. Rotate stock and use oldest material first.

• **Typical Properties (Not Specifications)**

Chemical Type	Polyurethane
Appearance	White or Teal
Wt/Gallon	9.18 ± .1
Open Time (4 mil film): at 75°F at 60°F	75 sec * 30 sec *
Viscosity: at 120°C (248°F)	15,000-25,000 cps

* ASTM D4497-89. For comparison only. The specific open time will depend on the substrate, temperature, adhesive film thickness, etc.

• **Viscosity vs. Temperature:**



June 22, 2010:kc

CAUTION: The data, statements and recommendations set forth in this product information sheet are based on testing, research and other development work which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and particular use or uses.

WARRANTY: Daubert Chemical Company, Inc. ("Daubert") warrants all products manufactured by it to be free from defects in material and workmanship. DAUBERT MAKES NO OTHER WARRANTIES, WHETHER, EXPRESSED OR IMPLIED, WITH RESPECT TO SUCH PRODUCTS, AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND IMPLIED WARRANTIES ARISING FROM A COURSE OF DEALING OR USAGE OF TRADE, ARE DISCLAIMED BY DAUBERT. All claims hereunder must be made in writing within 30 days after receipt of the products at the buyer's plant and prior to further processing the products or combining them with other materials or products. Daubert's liability, whether under this warranty or in contract, tort, negligence or otherwise, is limited to the return of the net purchase price paid for any products proven defective or, at Daubert's option, to the repair or replacement of said products upon their return, transportation prepaid, to Daubert. THE REMEDY HEREBY PROVIDED SHALL BE THE EXCLUSIVE AND SOLE REMEDY OF THE BUYER, AND UNDER NO CIRCUMSTANCES SHALL DAUBERT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES. No Daubert representative or other person is authorized to change this warranty in any way or to assume for Daubert any other liability in connection with the sale or use of its products.

REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.

DAUBERT
CHEMICAL COMPANY, INC.

PAGE 2 OF 2

4700 South Central Avenue ■ Chicago, IL 60638 ■ 1-800-688-0459 ■ or 708-496-7350 ■ Fax: 708-496-7367

Visit our web site at www.daubert.com ■ Our e-mail is dauchem@daubert.com



THE PROVEN LEADER IN ADHESIVE TECHNOLOGY

