

## Ultralane 795-02

### 1-COMPONENT, REACTIVE POLYURETHANE HOT MELT ADHESIVE

Ultralane 795-02 is a one-part, hot melt polyurethane adhesive that reacts with moisture to provide a permanent structural bond to most substrates. It provides the user a long open time combined with high green strength in the adhesive bonds that it forms. The Ultralane 795-02 cures with moisture to form a thermoset polymer that demonstrates high strength, very good solvent and chemical resistance, and high performance in demanding environmental conditions. The cured adhesive provides excellent adhesion to most hardwoods, luan, fiberboard (MDF), fiberglass reinforced plastics, expanded polystyrene, plywood, leather, metals, and many rigid plastics (ex. ABS, PBT, and nylon). Cured Ultralane 795-02 is thermally and electrically insulating and generally helps to dampening the transmission of sound and vibration through bonded assemblies.

#### **APPLICATIONS & BENEFITS:**

- Excellent adhesion to a variety of substrates
- Cured to a permanent thermoset polymer

<b>HANDLING PROPERTIES</b>	<b>VALUE</b>	<b>TEST METHOD</b>
Visual Appearance	Off-white	
Density	1.09 g/cm <sup>3</sup>	ASTM E-201
Viscosity @ 250°F/121°C	12,000 cps	ASTM D-2393
Suggested Application temperature	250°F - 270°F (121°C - 132 °C)	
Open Time @ 77°F / 25°C	3-4 minutes	
Open Time @ 68°F / 20°C	2-3 minutes	
Cure Time @ 77°F	24 – 48 hours (depending on relative humidity)	
Shelf-life:	6 months from date of shipment when stored at 59°F -77°F in unopened containers	

**NOTE :** Values are based on laboratory or average production results – not for specification purposes. We strongly suggest that the end user test the material for suitability in their application prior to use.

#### **SUGGESTED PROCESSING:**

Ultralane 795-02 can be applied by roll coating, swirl/fiberization spray, and many other application methods. Recommended coating weights will typically be between 10 and 30 grams/square foot depending on the substrates being bonded and their surface smoothness. For best bond strength, ensure that the substrates are clean and free from grease, oils, dust, and lubricants. Aluminum and some other metals should be chromic acid etched, conversion coated, or primed prior to bonding to ensure optimal strength bond.

#### **STORAGE GUIDELINES:**

Store this material in a clean, dry environment in its tightly closed original container. Keep between 59°F and 77°F for best shelf-life. Never store below 50°F or above 85°F as this may reduce the shelf-life. Protect from moisture exposure as this will cure the material. If the recommended storage conditions are observed the products will have a minimum shelf-life of 6 months from the date of shipment.

## **HANDLING PRECAUTIONS:**

Mandatory and recommended industrial hygiene procedures should be followed whenever these products are being handled and processed. For additional information please consult the corresponding material safety data sheets and see the general precautions listed below:

**CAUTION: AS WITH ALL INDUSTRIAL MATERIAL USE CAUTION WHEN WORKING WITH THIS MATERIAL.** Avoid breathing vapors. Avoid contact with eyes, skin, or clothing. Wear eye protection and impervious gloves when handling. Wash thoroughly after handling. Use only with adequate ventilation. Do not take internally.

## **FIRST AID**

In case of contact: **Skin** – Immediately wash skin thoroughly with mild soap and water. Remove contaminated clothing and wash before reuse. Destroy contaminated shoes and other articles made of leather. **Eyes** – Immediately flush eyes with plenty of water for 15 minutes and get prompt medical attention. **Inhalation** - Remove person to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician. **Ingestion** - Do not induce vomiting. Dilute with plenty of water and contact physician immediately. Never give anything by mouth to an unconscious person.

## **DISCLAIMER:**

**IMPORTANT:** The following supercedes Buyer's documents. **SELLER / MANUFACTURER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller / Manufacturer be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results presented are based on controlled or laboratory work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended

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