

# STAR Technology

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## UR2120

### Moisture Cure Urethane Adhesive

#### DESCRIPTION

**UR2120** is a single part moisture cure urethane adhesive used in structural applications. Its main uses are on wood to wood and wood to metal applications. Cure is affected by reacting with ambient moisture in the air and in the substrates. In dry climates, water misting of the substrates is usually required. The **UR2120** foams slightly upon exposure to the moisture and will fill small gaps. Handling strength is achieved in about 60 to 90 minutes and the adhesive is dry to the touch in about 1 to 2 hours. Full cure is achieved in 7 days at room temperature. **UR2120** was formulated as a 100% solids product to replace solvent based contact adhesives to provide complete elimination of VOC.

As with all moisture cure urethane products, the adhesive must be stored under anhydrous conditions. **UR2120** is available in 5 gallon pails, 55 gallon steel drums and 330 gallon totes.

Data contained herein are believed to be reliable. Fit-for-use testing should be conducted by each user.

#### TYPICAL PROPERTIES

|                                                 | <u>TEST METHOD</u> | <u>VALUE</u> |
|-------------------------------------------------|--------------------|--------------|
| Lap Shear [Maple to Maple] (psi):               | ASTM D1002         | 1500         |
| % Free NCO:                                     |                    | 10           |
| Product:                                        |                    |              |
| Viscosity (cps):                                | ASTM D2393         | 10000        |
| Color:                                          |                    | Amber        |
| Working Time (min):                             |                    | 20 - 30      |
| Handling / Tack Free Time (min):                |                    | 80           |
| Heat Cure Schedule for Allophanation (minutes): |                    |              |
| 100oC:                                          |                    | 90           |
| 110oC:                                          |                    | 30           |
| 120oC:                                          |                    | 15           |

#### CLEAN UP

For cleaning of equipment any uncured material, NMP (N-Methyl Pyrrolidinone) or DBE (Dibasic Ester) are recommended. To remove cured materials, the use of chemical stripper such as Methylene Chloride is suggested

#### PRECAUTIONS

For industrial use only. Keep away from children. Refer to the Material Safety Data Sheets (MSDS forms) pertaining to this product before using.

Avoid contact with skin or eyes. In the event of an eye splash or contact, immediately flush with cold water for 15 minutes and contact a physician. If skin contact occurs, wash with mild soap and water. The wearing of safety glasses with side shields and impervious gloves is recommended.

#### PRODUCT WARNING STATEMENT

May cause allergic skin reaction. Avoid all contact with skin, eyes, and clothing. Wash thoroughly after handling.

To the best of our knowledge, the information contained herein is accurate. However, STAR TECHNOLOGY, Inc., does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. The information contained herein is considered typical properties and is not intended to be used as specifications for our products. This information is offered solely to assist purchaser in selecting the appropriate products for purchaser's own testing. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein and in the material safety data sheet, we cannot guarantee that these are the only hazards that exist. Repeated and prolonged exposure to epoxy resins can cause sensitization or other allergic responses.