

STAR Technology

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UR2109 Moisture Cure Urethane Adhesive

DESCRIPTION

UR2109 is a single part moisture cure urethane adhesive used in structural applications. Its main uses are on wood to wood and wood to aluminum applications. The product has a viscosity of about 4,000 cps. Cure is affected by reacting with ambient moisture in the air and in the substrates. In dry climates, water misting of the substrates is sometimes required. The UR2109 foams slightly upon exposure to the moisture and will fill small gaps. Handling strength is achieved in about 30 minutes and the adhesive is dry to the touch in about 60 minutes. Full cure is achieved in 7 days at room temperature. Lap shear strength on milled maple wood lap samples range from 1,500 to 2,000 psi after 7 days of cure.

As with all moisture cure urethane products, the adhesive must be stored under anhydrous conditions. UR2109 is available in 5 gallon pails and 55 gallon steel drums.

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>
Cure Time (hours):		30
Lap Shear [Maple to Maple] (psi):	ASTM D1002	1500
% Free NCO		15
Product:		
Viscosity (cps):	ASTM D2393	4000
Color:		Amber

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.