

# STAR Technology

FORMULATING • INNOVATIVE • SOLUTIONS

## PUR2120

### Polyurethane Reactive Hot-Melt Adhesive

#### DESCRIPTION

**PUR2120** is a reactive hot melt moisture cure urethane adhesive used in structural applications, such as lamination of wood, wood products, metal, honeycombs structures and EPS. The low viscosity and moderate open time of **PUR2120** make this a versatile adhesive for use in many applications. **PUR2120** was formulated as a 100% solids product to replace solvent based contact adhesives to provide complete elimination of VOC.

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

#### 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.

#### TYPICAL PROPERTIES (cured 7 Days at 77° F)

	<u>TEST METHOD</u>	<u>VALUE</u>
Lap Shear [CRS to CRS] (psi):	ASTM D1002	>1500
Tensile Strength (psi):	ASTM D638	3700
Tensile Modulus (psi):		13000
Elongation (%):		800
Product:		
Viscosity (cps):	ASTM D2393	15,000 Cps @ 77°C
Color:		White (Solid) Amber (Liquid)
Shelf Life (months):		6

#### PRODUCT NOTES

**PUR2120** is formulated for application at a temperature of 77°C. Cure is affected by reacting with ambient moisture in the air and in the substrates. No open time is required, lamination can be assembled once adhesive is applied to clean, dry substrates free from any grease, oil, wax or other surface contaminants. Recommended bond line is 3 to 5 mils. As with all moisture cure urethane products, the adhesive must be stored under anhydrous conditions.



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#### 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.