



LOCTITE® UR 2-70 Series

Fast curing solvent and formaldehyde free one-component liquid PUR adhesive for exceptional bond performance.

Fields of application

Assembly, lamination, finger joint, edge and face glued wood elements. Suitable for exterior exposure.

Good adhesion on many exotic hardwoods, softwoods and building boards / panels. Particularly suited for bonding Accoya® wood and Tricoya® MDF products. May also be used on non-wood substrates such as EPS and PU foams, treated metals and FRP.

Weather-proof bonds yield high temperature and water resistance. Heat resistance up to 120 °C.

Good aesthetic value due to transparent glue line.

Product data*

Chemical composition: Isocyanate prepolymer

Assembly time: See reference chart page 2

Press time: See reference chart page 2

Viscosity: Brookfield (20°C) Approx. 5000 cps

Color: Amber – dries transparent

Density: Approx. 9.18 lb./gal.

Solids content: 100 %

Chemical resistance: weak caustics, acids and solvents

* Data at standard climate 20 °C / 50 % RH

Methods of Application

Squeeze bottle extrusion or brush applied

Application guidelines

Coating weight: 1/16" bead or thin, uniform film by brush depending on substrate type and surface condition.

Wood moisture content: 8 – 18 %, can be used at higher wood moisture content which may result in shorter open assembly time. Consult with Henkel Representative regarding green wood applications.

Open assembly time: See reference chart. Established minutes at approx. 20 °C, 50 % RH, 12 % wood moisture content.

Pressure: 15-150 psi depending upon application

Curing time: See reference chart. Established minutes at approx. 20 °C, 50 % RH, 12 % wood moisture content.

Bonding surface: Clean and dust free. To achieve optimum bonding results, please ensure a tight-fitting joint; less than 0.3 mm tolerance is recommended.

Storage time after bonding: The bonded components must be stored at a temperature of approx. 20 °C for at least 2 hours after the press time has elapsed.

Temperature: Optimum bonding results at an ambient temperature between 20 – 30 °C of the wood and adhesive.

Joint Condition: Some foaming of the adhesive may be observed at or around the joints, the cured adhesive that squeezed out may be scraped off and sanded away once dry to provide clean joints.

Containers

400ml squeeze bottles, (12) bottles per carton

Safety and Clean up

See Safety Data Sheet (SDS) of LOCTITE® UR 2-70 Series product.

Safety: Henkel recommends wearing of protective gloves and protective goggles when handling the liquid adhesive.

Clean up: For the removal of uncured adhesive on equipment and machinery, Henkel recommends use of Dynasolve™ CU-6. Follow instructions provided with use of the selected Dynasolve™ or other commercial cleaning products.

Storage and Shelf-Life

Unopened Loctite UR 2-70 series product containers should be stored in a dry environment. Storage 1year dry at 20 °C (68 °F), note expiration date.

Do not leave open containers exposed to the environment.

Additional information

This information is based on the test results of our Henkel application laboratory and our customers' experience.

Henkel guarantees a consistent quality of this product which is manufactured in accordance with ISO 9001 / ISO 14001 guidelines. The product was found suitable for all applications and uses listed above; for other uses or applications Henkel strongly suggest you contact our technical support staff.



LOCTITE UR 2
2.5 Minute Open Time / 5 Minute Press Time

LOCTITE UR 10
10 Minute Open Time / 20 Minute Press Time

LOCTITE UR 20
20 Minute Open Time / 40 Minute Press Time

LOCTITE UR 30
30 Minute Open Time / 60 Minute Press Time

LOCTITE UR 60
60 Minute Open Time / 120 Minute Press Time

LOCTITE UR 70
70 Minute Open Time / 140 Minute Press Time

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Note

