PRODUCT DESCRIPTION
PG-101 is a moisture-curing 1-component polyurethane containing pre-polymerized MDI, (Diphenylmethane-4, 4-Diisocyanate) and used for laminating and joining all species of wood and other materials.

PG-101 requires no mixing or additives to cause the adhesive to cure. Moisture (water) in the air and/or in the material to be bonded will cause PG-101 to cure. As it cures, it will foam and self-spread.

PG-101 contains no solvents. Although liquid, it has a 100% resin content. It will not evaporate and when curing produces no vapors other than trace amounts of CO₂. We suggest that you wear disposable gloves or avoid contact with hands as it can cause allergic reactions with repeated contact over time.

When cured, PG-101 is resistant to solvents. One of the many advantages of this remarkably strong product is that the hardened adhesive does not become brittle and is non-thermoplastic, meaning it will not expand or contract in the glue joint. In addition, it will not clog sand paper or dull cutting tools. Cured PG-101 is 100% waterproof, pH neutral, and can be sanded, machined, painted or stained.

PRODUCT USE
It will bond ceramics, stone, plastics, metal, softwoods, hardwoods, teak and other exotic or challenging woods - without any special preparation or resin removal.

Prepare the surfaces to be joined in the usual manner, i.e., have clean, dust free and tight fitting joints.
* Spread PG-101 on one of the surfaces to be joined. PG-101 foams up as it cures and is self-spread. Remember to wear disposable gloves. For Oak, Maple or other very hard or dense woods dampen the substrate with water and use plenty of clamping pressure. It’s wise to do a test piece first.
* Clamp your work in the usual manner for 1 to 4 hours, depending on temperature and moisture content. The lower the temperature the longer the clamping time. When the squeeze-out or leftover adhesive is firm to the touch, the PG-101 is substantially cured and can be unclamped. Full strength is achieved in 24 hours under normal conditions.
* Remove your uncured squeeze-out with isopropyl (rubbing) alcohol, “Goof Off,” or other common solvents or wait until it is somewhat or fully hardened and remove mechanically with a chisel, scraper, or sandpaper.

FEATURES OF PG-101
* 100% waterproof and solvent-free with a 100% solid content. Stainable and pH-neutral.
* Single-side application. Coverage is ½ fluid ounce per square foot. This is equal to 2 to 3 times the coverage of other adhesives. Wet adhesive will foam up in volume 3 to 4 times.
* Approximately 20 minutes open working time. Remains workable throughout the entire open time.
* Clamping time is 1 to 4 hours depending on temperature and moisture content. After clamping time, it achieves 90% strength, and full strength is achieved in 24 hours.
* Temperature range is 40° F to 130° F. Best results at 68° F to 130° F. Flash point is 375°F.
* 3-4 year shelf life unopened. 6 months to 1 year after opening and resealing (store upside down to prolong shelf life).
* Will not freeze even at -100° F. Keep unused adhesive well sealed and dry.
* Will bond wood with a moisture content up to 25%. Recommended moisture range is 8% to 20%.
* Leaves little or no glue line & non-thermoplastic. Will not expand or contract in the glue line after curing.
* Odorless with no out gassing other than CO₂. Non-harmful to the environment after hardening.

Sizes available: 4oz. / 8oz. / 16oz.

For health and safety information concerning this product, please refer to the MSDS sheets for PG-101 Polyurethane Adhesive. MSDS sheets are available on our website at www.systemthree.com.

The information contained herein is based on the data available to us and is believed to be correct. However, System Three Resins, Inc. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. System Three assumes no responsibility for injury from the use of the product described herein.