



Product Description

POLYURETHANE ADHESIVE TEKBOND is a single component polyurethane-based adhesive, solvent-free, that cures in contact with moisture from the air/substrate. Suitable for high strength bonding, excellent aging properties, temperature resistance and "D4" water resistance according to DIN/EN 204. Partial curing occurs in 30 minutes and its total curing takes up to 24 hours (depending on the weather conditions). Ideal for bonding various types of wood with applicability on windows, doors, staircase manufacturing, furniture industry: laminated wood for indoor or outdoor use (outdoor use with surface protector); wooden boats, among others.

Physical Properties - Liquid

(Visual) appearance:	Clear brown liquid
Odor:	Characteristic
Density at 41°F:	9 – 9.35 lb/gal
Viscosity at 77°F:	6.000 cps
Humidity resistant:	Excellent
Application temperature:	41°F to 95°F
Storage life:	12 months

Physical Properties - Cured

(Visual) appearance:	Honey-colored solid
Operating temperature:	-40°F to 248°F
Initial cure:	Up to 30 minutes
Total cure:	24 hours

Properties and benefits

1. Easy to apply;
2. Fast drying;
3. Applicable even to slightly damp surfaces;
4. High-strength adhesive;
5. Humidity resistant;
6. Can be used to fill (inflate and fill spaces);
7. Can be used on Dry Wall and Plywood type walls;
8. Resistant for fresh water and salt water;
9. Indoor and outdoor use (outdoor use with surface protector);
10. Low level of deformation among the most diverse materials with different coefficients of expansion.

Instructions for use and handling

1. Furniture manufacturing;
2. Glue applications of all types of hardwood (oak, teak, and tropical woods);
3. Manufacture of wooden doors and windows;
4. Acoustic panels;
5. Stairs, roofing, kitchen manufacture and installation;
6. Bonding of materials to one another and adhesion to absorbent surfaces (such as concrete) and to metal.

HOW TO USE:

1. Application's surface must be solid, cleaned, dry and free of dust, oil and grease;
2. It is recommended that the moisture content on the surface to be joined is no less than 8%;
3. To handle the product safely, make sure that the area is appropriate, ventilated, or has mechanical exhaust. For long-term or large-volume handling, use of PPE is recommended (gloves, protective goggles, gas mask);
4. Apply enough adhesive to cover the entire part. You can use a spatula to spread the product until it forms a thin layer on the surface;
5. Join the parts and press them together;
6. After joining the surfaces, it is recommended to leave them pressed/clamped for 2 hours;
7. They can be cleaned with acetone before drying; after drying, they can be removed only by mechanical ways;
8. During the curing process, a foam effect with slight expansion volume will be formed;
9. The total cure occurs within 24 hours, but can vary depending on amount of adhesive, humidity and temperature.

Restrictions on use

The Polyurethane Glue is not indicated for the following situations:

1. For all surfaces that releases oil, plasticizers or solvents, such as wood immersed in oil, wet surfaces, substrates with peeled coating;
2. Does not stick to polyethylene-based materials; polypropylene, Teflon (trademark of DuPont); silicone;
3. In case of painted or coated substrates, check the conditions of the same regarding possible peeling and, if necessary, sand the place of application;
4. Water-immersed areas;
5. For surfaces that have direct contact with food;

Storage instructions

Keep out of the reach of children.
Keep in a well ventilated and dry place, at a temperature from 40°F to 80°F.

General information

Do not use for liquid oxygen line sealing, high concentrations of chlorine or strongly oxidizing materials. PUR adhesive contains isocyanates.
It is recommended to test before application.

The adhesive may cause skin irritation and dermatitis. Use of plastic gloves (rubber or neoprene), and an apron, in combination with the recommendations indicated, are generally sufficient to prevent accidental or chronic exposure. If skin contact occurs, the affected area should be washed with soap and water. Attention should be given to the proper use of PPE (goggles, gloves, masks and apron). Contact with eyes should be treated immediately, flushing the affected area with plenty of water, followed by medical attention. Adequate ventilation is necessary to prevent prolonged inhalation of vapor.

For further information and safe handling of this product, please refer to the Safety Data Sheet (**SDS**).

Available packages

Tekbond offers 18 oz (510g) package.

IMPORTANT: The information contained in this Technical Data Sheet was obtained from reputable sources. Neither Tekbond nor its brands are responsible for the use of the information or for the use, application or processing of the product described herein. Users shall be aware of possible risks arising from improper use of the product. Material supplied by its exporter.