

TDS 000807

BESTBOND®

Waterborne Polyurethane Adhesive for Wood

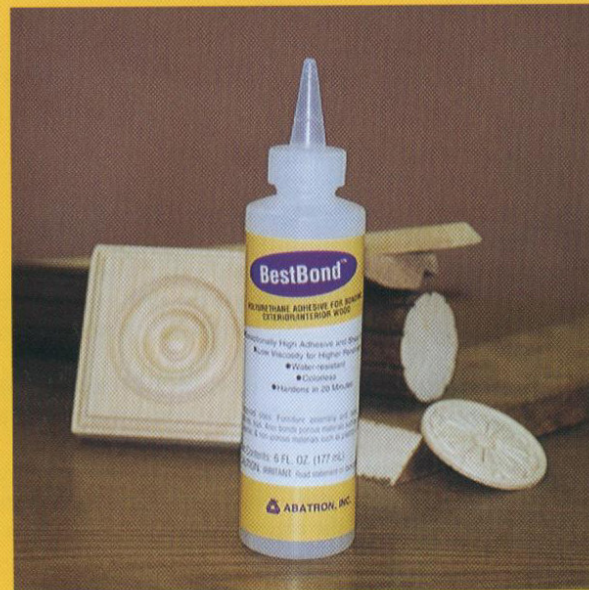
BESTBOND® is a versatile breakthrough adhesive designed for both interior and exterior wood projects. BESTBOND® is water-resistant, easy to clean up, non-toxic, and flexible. Primary suggested uses include furniture assembly and repair, cabinetry, stairs and floors, window/door frames and seals, woodcraft and toys. It is also used to bond any dry, porous materials such as paper, fabric, leather, carpets, and all wood materials.

Characteristics:

BESTBOND® is a translucent liquid, which hardens clear and bubble-free. BESTBOND® is tack-free in twenty minutes, allowing ample time for adjustments in position of parts or even their complete re-assembly.

Summary of Properties:

Adhesive Strength	1,290 psi	(90.687Kg/cm2)
Tensile Strength:	5,900 psi	(414.77Kg/cm2)
Tack-free Time:	20 min	
Green Strength:	60 min	
Viscosity @ 25°C:	100-400 cP	
Elongation @ Break:	190%	
Freeze-Thaw Stability:	Pass 5 cycles	
Specific Gravity @25°C	1.06	
VOC:	2.8 lb/gl	(1.6 g/cm3)
Yield Modulus:	4300 psi	(302.29kg/cm2)
Hardness, pencil:	2H	



Application Procedures:

BESTBOND® application is simple. Proper surface preparation will ensure that the bond will last for years. Apply product to clean, bare wood. Sanding improves bonding. BESTBOND® can be applied by brushing, pouring, or spraying. BESTBOND® can be mixed with tap water at 1/1 part by volume to lower its viscosity. Additional water will increase tack-free time up to 50-70 minutes, while applying heat will reduce the drying time. For best results, the moisture content of the wood should be below 30%.

Clean-up/Storage:

BESTBOND® can be cleaned up easily with a clean cloth and warm water. Hardened glue can be removed quickly with a scraper or can be sanded to a smooth, uniform finish. When stored in a tightly closed container, BESTBOND® has a shelf-life of twelve months.

Reverse side contains proper storage instructions and safety precautions.



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