

Product Description

Vibra-Tite 801 is a 1-component liquid adhesive based on polyurethane. It is a moisture-curing, long open time structural assembly system. Unlike contact adhesives, which require the coating of both substrate surfaces, Vibra-Tite 801 requires only a single side. There is no need for additional handling and expensive drying ovens to flash off solvents before engaging the bond.

Substrate Compatibility

Vibra-Tite 801 is designed to bond well to ABS plastic, PVC (vinyl films), wood, lauan, fiberboard (MDF), fiberglass reinforced plastic (FRP), expanded polystyrene (EPS), polyurethane foam, particleboard, high pressure laminate (HPL), plywood, masonry, stone, ceramic and other surface-treated metals and plastics.

Typical Performance

Density @ 75°F	1.13 (9.39 lb/gal)
Color	Amber/ Brown
Solid Content	100%
Viscosity @ 75°F	~5,000 cps
Application Temperature	75°F + (room temperature)
Cure System	Moisture curing
Open Time*	~25-30 minutes
Rate of Cure*	~80%+ in 12 hrs.
Fixture/ Press Time*	30 - 90 minutes
Final Setting Time*	24 hours

*= temperature 75°F/ 50%R.H. w/ coating of 10 g/sf² + 1 g/sf² water

Typical Applications

- Interior & Exterior wall panels
- Architectural and composite panels
- Insulated cooler and cold storage building walls
- RV Motorized & Travel Trailer walls, roofs, & floors
- Manufactured & Modular Housing construction
- Residential & Commercial entry doors
- Lamination of Structural Plastics and metals
- House boat composite wall lamination
- ABS & Vinyl film laminating

Handling and Storage

VT-801 can be applied by roll coating, bead extruder, or manually by hand. Recommended coating weights will typically range between 10 and 20 grams/ ft² depending on substrates used. Moisture is required to efficiently cure the adhesive, usually 10% of the applied weight of the adhesive is recommended. Elevated temperatures will accelerate adhesive curing, and will reduce/ shorten open time. Intimate contact pressure between the substrates is necessary while adhesive is curing, 3 to 10 psi for soft core materials, 50 psi for all other materials. All bonding surfaces must be free of oil, grease, dust, lubricants, and should be of sound quality. Remove any surface contaminants with compressed air, brush or solvents. Aluminum surfaces and certain other metals must be epoxy/ conversion coated or primed for best adhesion. Uncured adhesive can be removed with solvents such as dibasic ester (DBE), propylene carbonate, or citrus-based products. Cured adhesive can be removed with recommended specialty solvents or mechanically.

VT-801 should not be stored at temperatures above 90°F for more than 24 hours if possible as product may thicken. Properly stored in cool, dry conditions, the unopened pails and drums have a shelf life of 6 months from date of shipment. Open containers must be used immediately.

Caution

Irritant; Sensitizer. This product contains diphenylmethane-4,4 diisocyanate (MDI). Avoid contact with skin. Read MSDS before handling this product.

Packaging

Standard packaging includes 5 gal. pails, 55 gal. drums, and Intermediate Bulk Containers (275-330 gallon totes).