



A New & Improved  
**CLOSED MOLDING SOLUTION**

Compatible Spraytack  
 for UPR & Epoxy Resins



*Nautique Boats*

Industry-Leading boat manufacturer invested significantly in LRTM process to reduce emissions, reduce weight, and improve boat performance. Problems experienced with traditional rubber-based spray adhesives are mold scum or rapid build-up of the tack on mold surfaces after only a few pulls on non-gel coated parts. Nautique had to scrape, sand, and repair after just 15 pulls. Mold maintenance couldn't keep up with repairs and using release agents in between every pull which slowed down the entire production process.

**Polytack MT-1 solved this issue and provides more benefits:**

- No down time, faster throughput
- Non aerosol HVLP option
- Improved mechanical properties
- Less flow resistance, fills 10% faster
- 90% reduction in release agent cost
- No scraping or damage to molds
- Just wipe and buff after 15 pulls
- 8% higher physical properties



“ No downtime, fills faster, saving tons on mold release and maintenance  
 -Bill Waits ”



“ Never going back, molds look great  
 -Kashina Kabwita ”

*Polytack MT-1 is the most compatible spray adhesive for closed molding Polyester and Epoxy applications. Available in both Clear and Blue Dye packaged in aerosol cans and also in 5 gallon pails for use with HVLP spray systems.*

**Polytack, LLC**

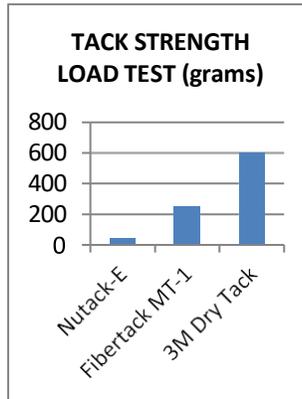
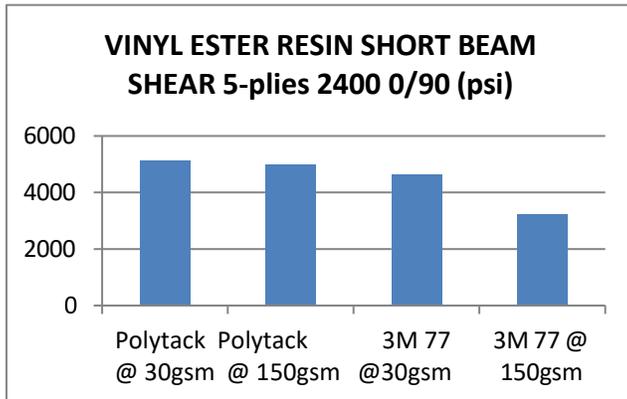
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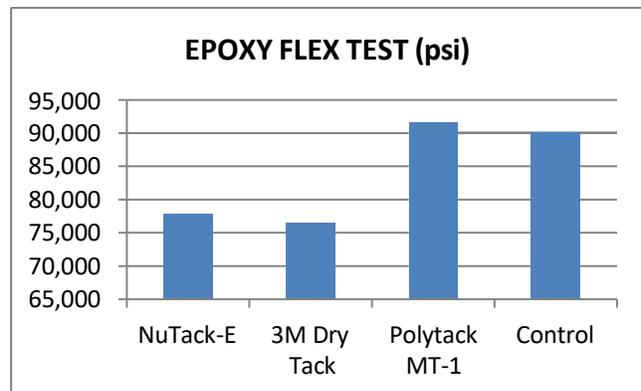
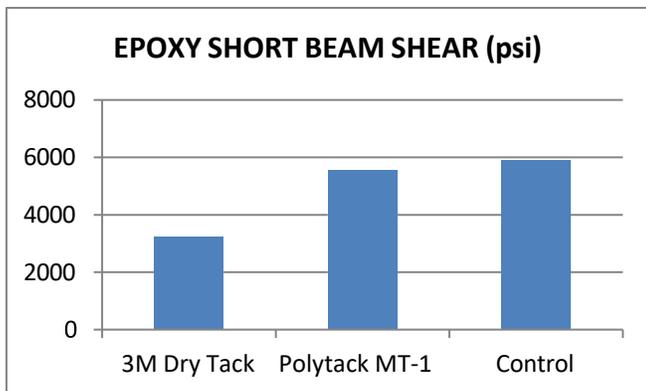
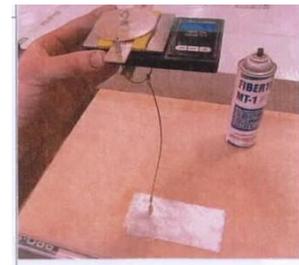
# Polytack MT-1 & MT-1 BLU

**Polytack MT-1 and MT-1 BLU** are NON-HAP proprietary reactive-based polymer spray tack adhesives that are designed to bond dry reinforcements and composite matrices including cores in place prior to introducing resin through various processes like resin infusion, RTM, VARTM, RTM Light, or fiberglass pre-forms. MT-1 is uniquely formulated to be compatible with most resin systems: epoxy resins<sup>3</sup>, unsaturated polyester<sup>2</sup>, and vinyl ester resins<sup>2</sup>. Spraying Polytack in a fine mist allows the solvent to flash, builds tack within seconds, and will be tack free within a few minutes<sup>1</sup>. MT-1 BLU (blue-tinted formulation) fades with peroxide catalyst typically used in polyester resins. Use clear for epoxy.

## Independently Tested Results: Most Compatible & Repositionable Tack System



Plywood/18oz/18oz, 3M® Dry Tack excellent tack, not repositionable, Polytack MT-1 good tack, repositionable, NuTack-E® low tack, repositionable



**Packaging:** 5-gallon bulk containers and 12oz aerosol cans.

**Typical Liquid Properties:** Density: 7.75lbs/gal (4.5kg/l) Viscosity: 60 cps Shelf-life: 2 years

### APPLICATION

Follow instructions provided, or contact your Polytack, LLC. representative for proper types of spray equipment and suitable substrates prior to starting the spray tack application. Open tack time is the approximate time after spray application until the product dries tack-free. Product is packaged in easy 12oz aerosol canisters or tight-head 5-gallon drums. Containers have a screw cap or pour spout. Product does not settle, and it is not necessary to mix before use. Product must be kept in air-tight containers. User can transfer contents to an air assisted HVLP type gun for best performance. Typically, applications of less than 15-30 gsm are more than adequate to sufficiently hold reinforcements, and independent tests have not shown any measurable loss in physical properties. It is strongly recommended that the user test on their surfaces, gelcoats, or fabric reinforcements to determine suitability then substantiate with physical testing. Contents are Highly Flammable. Use in a well-ventilated area, or use proper Personal Protective Equipment (PPE) with a VOC respirator (recommended). *Read Safety Data Sheet before handling or using this product.* **Notes:** 1. The tack time is dependent on temperature. 2. Independent testing has shown little to no appreciable physical properties loss in bending shear testing at higher than normal applications ( $\leq 90$  gsm) on VE and Polyester laminates. 3. Using a typical infusion grade Bis A epoxy also has shown no appreciable loss in physical properties at normal application levels  $\leq 30$  gsm. User should always determine suitability of Polytack spray adhesive for the intended application.

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