

ES 99

VACUUM INFUSION
ADHESIVE

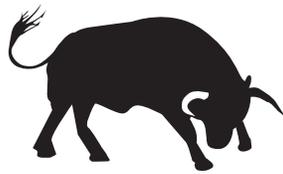
Specifically Formulated
for Infusion
Vacuum Molding

Fast Tack for securing
reinforcing materials
in mold

Low Shrinkage
during Cure

NO HAPS

Compatible with
Infusion resins



EVERSTRONG
ADHESIVE

EverStrong™ ES99 is a specialty industrial spray adhesive specifically designed for the infusion molding process. ES99 is designed to adhere and hold reinforcing fiberglass materials (mats, pads, strips) in place prior to and during resin infusion. Specifically formulated for the infusion process, ES99 will not interfere with the polymer matrix integrity and will cross-link with resins to create an integrated matrix.

PRODUCT USAGE

EverStrong™ ES99 is designed to be applied to the reinforcing materials or mold prior to placement. Spray a uniform coat to the surface to be adhered. If heavy mat or pad, apply adhesive to both surfaces about to be joined. Spray an even coat of adhesive with at least 80% to 100% coverage of each surface. Allow to briefly dry until tacky. Place the surfaces together and apply pressure. For best results: Make sure that the surfaces are dry and free from dirt, grease or oil. Ensure that the adhesives and materials are at 60°F or higher. If surfaces are porous, a heavier coat is recommended.

STORAGE

For canisters, do not close the valve after use. Leave the gun and hose connected to the canister. Recommended to store canister off the floor if temperatures below 60°F.

PHYSICAL PROPERTIES

Appearance:	Liquid, clear or blue
Specific Gravity:	.74 + .03
Spray Tip:	6501
Spray Pattern:	Pebble Spray
Flammability:	Flammable per ASTM E-681-04
Solvent:	Hydrocarbons
Shelf Life:	15 months
Freezing:	Not damaged by freezing but return to room temp before use.

PACKAGING

ES99-0013C(B)	13 oz Aerosol Can
ES99-009C(B)	9 lbs Disposable Canister
ES99-030C(B)	30 lbs Disposable Canister
ES99-140C(B)	140 lbs Returnable Canister
ES99-270C(B)	270 lbs Returnable Canister

All available in Clear (C) or Blue (B)

KEY FEATURES

- ★ Specifically Formulated for Infusion Vacuum Molding
- ★ Fast Tack for securing reinforcing materials in mold
- ★ Low Shrinkage during Cure
- ★ NO HAPS
- ★ Compatible with Infusion resins



Disclaimer of Warranty: NewStar Adhesives Inc. expressly disclaims all warranties either expressed or implied, including but not limited to merchantability and fitness for particular purpose. User is responsible for determining this product is fit for specific purpose and application method and assumes all risk and liability herewith. Manufacturer liability is limited to replacement of product or reimbursement of purchase cost, at our discretion. This provision relates to all sales and cannot be modified.

Manufacturer: NewStar Adhesives Inc., gluepros@newstaradhesives.com, 855-497-0700

See MSDS Data Sheet for Proper Handling and Safety Information

ES99-3



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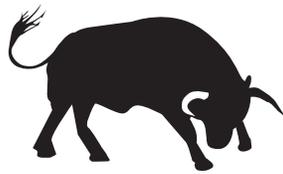
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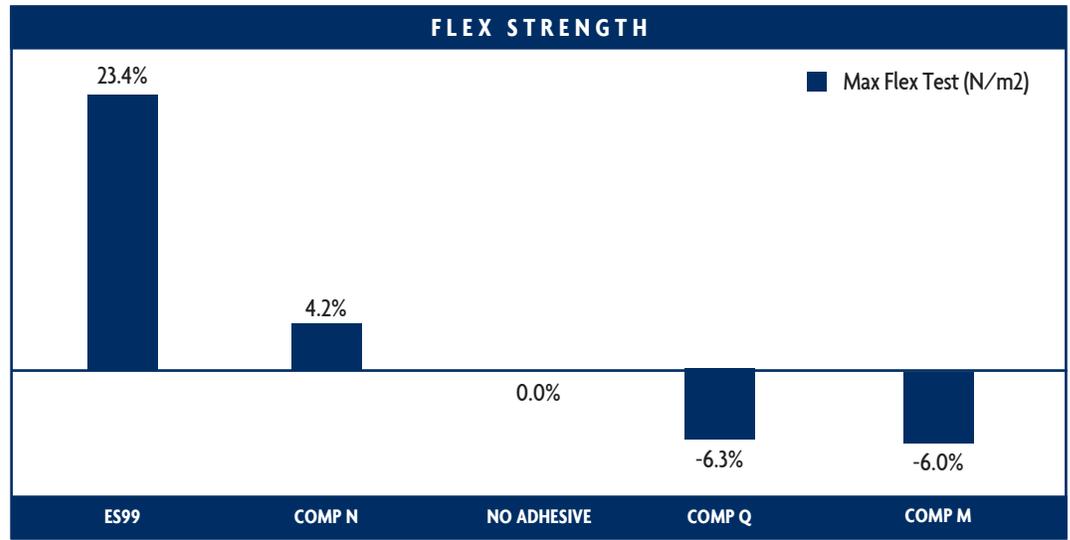
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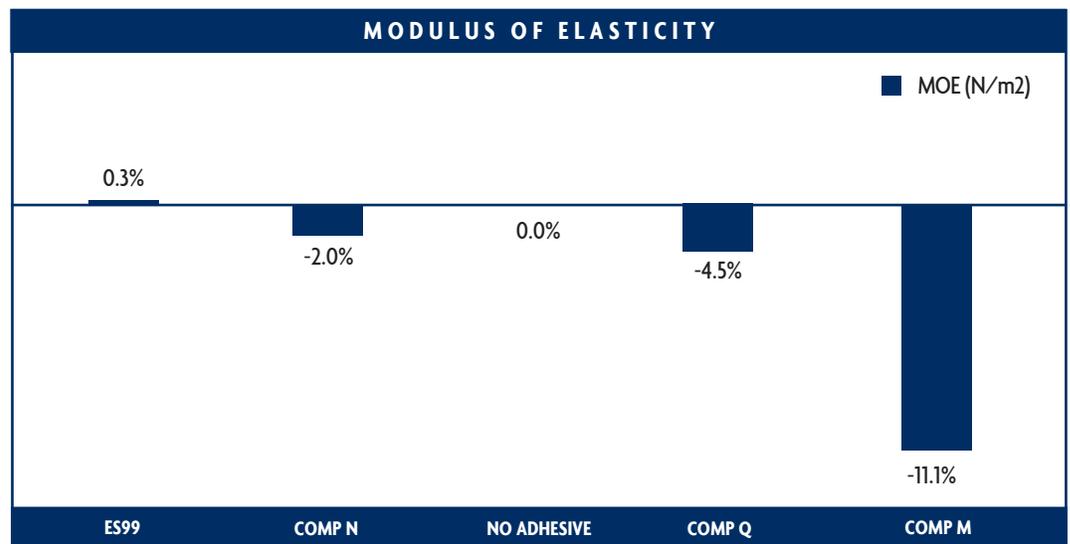


EVERSTRONG
ADHESIVE

EVERSTRONG ES99 Infusion Adhesive reinforces the matrix making it both stronger and more flexible than all other competitive adhesives.



In tests per ASTM D790, independent laboratories* found ES99 improved the strength of samples almost 20% and 30% compared to competitive adhesives. In fact, ES99 samples were found to be even stronger than samples made without adhesive.



In terms of Elasticity, ES99 improved the Modulus of Elasticity as compared to all competitive adhesives. Indeed ES99 was the ONLY adhesive that improved the elasticity of the samples. All other adhesives reduced the elasticity compared to the control samples made without adhesive.

* An independent 3rd party prepared 5-ply fiberglass/resin panels using ES99 and all major competitive adhesives as well as a control panel constructed without adhesive. Five (5) samples from each panel were prepared and tested per ASTM D790 protocol by CERL/MCA laboratories. Lab report is available upon request.

