



Introduction

VS Elite™ and VS Extreme™ polyurethane are the ultimate vacuum bagging materials. The material is shipped as a “tube” of polyurethane. In other words, it has two open ends. This bag material was designed exclusively for VeneerSupplies.com using an advanced thermoplastic polyurethane that can withstand pressures exceeding 3,750+ psi and stretch more than 6 times its width and length. The polyurethane film, bag stem, and bag closure are made in the USA.

Included Items

VS Elite/Extreme™ polyurethane vacuum bag material, brass stem insert, and two bag closures.

C-Type Bag Closure

The Build-a-Bag kit comes with two bag closures which are used to seal each end of the bag. Some users find that it is easier to load a project into a vacuum bag with the assistance of a second person who works from the opposite end of the bag (guiding the project into the bag). If you have a small project or do not have someone to help, you can apply a bag closure to one end of the vacuum bag before loading the project.

The PVC closure system included with your vacuum bag will allow you to easily seal the bag opening. Simply roll the bag end over the PVC tube. Then snap the PVC C-channel over the bag starting from one side and working towards the opposite side. To ensure a perfect seal, be certain that the entire bag opening is secured by the closure and that there are no wrinkles in the bag material.

For additional clamping strength, you can attach spring clamps over the C-channel. This is not necessary under normal conditions but it will provide a better seal if the bag is heavily worn. For the ultimate gripping strength, the bag may be rolled over the tube twice before the C-channel is attached. We do not recommend more than a double roll over the tube due to the difficulty of removing the closure under such clamping pressure.



A light coat of car wax or silicone spray will make it easier to snap the bag closure over the vacuum bag. Be certain that neither of these products is accidentally applied to the inside of the bag where it could foul the work piece for finishing.

Flush Mount Bag Stem

The flush-mount bag stem allows you to use the full length of the vacuum bag without worry of project surface imperfections. The stem can be mounted anywhere on the bag but we recommend mounting it centered across the width and approximately 15” from the bag opening. The location will not affect the pressure inside the bag.

1. Mark the location on the vacuum bag where you wish to install the bag stem.
2. In the selected area, cut a 3/8" diameter hole in the vacuum bag using scissors or a razor knife.
3. A small tube of cement is included with your bag stem kit. This cement will work with both vinyl and polyurethane materials. Be sure to follow the safety instructions included with the cement and wear appropriate eye, skin, and lung protection when using this product.
4. In a well ventilated area, clean the mating surfaces of the bag stem flange and the vacuum bag with acetone. A synthetic abrasive pad will help maximize the effectiveness of the cleaner. When completed, the cleaned areas should look dull and abraded.
5. The included cement will be used to bond the bag stem flange to the vacuum bag. Apply the cement to the bottom of the flange and to the vacuum bag area where the bag stem will be attached. Be sure there is full coverage on both pieces.
6. Apply the flange directly over the bag hole (from step 2). Gently massage out any air bubbles but try not to squeeze out too much of the cement. Allow 24 hours of drying time before using the vacuum bag. If the flange starts to lift from the bag surface while the cement is curing, press it in place again and place some weight on the flange.
7. Insert the brass barbed stem core that is included with this kit. Proceed carefully since the edges of the barbs are sharp. Once inserted, the stem core is not easily removed. Warning: Brass products may contain chemicals known to the state of California to cause cancer or reproductive toxicity.

Vacuum Bag Maintenance

Polyurethane is much more resilient than vinyl and with ordinary use, will last for a very long time. You can extend the service life of the vacuum bag by using and storing it carefully. Be sure to round over the protruding edges of anything placed inside the bag including the platen and cauls. And when you're finished with the vacuum bag, store it away from direct sunlight.

In the unlikely event that your bag develops a leak, the easiest way to find it is to place a piece of brown paper in the area where you suspect there is a leak. Then place the platens inside the bag and clamp it shut. Next, turn on the vacuum unit and allow it to achieve as much pressure as possible. Now spray the outside of the bag with water. Any holes in the bag will show up on the paper as the water is absorbed. To repair the leak, contact us for a patch kit.