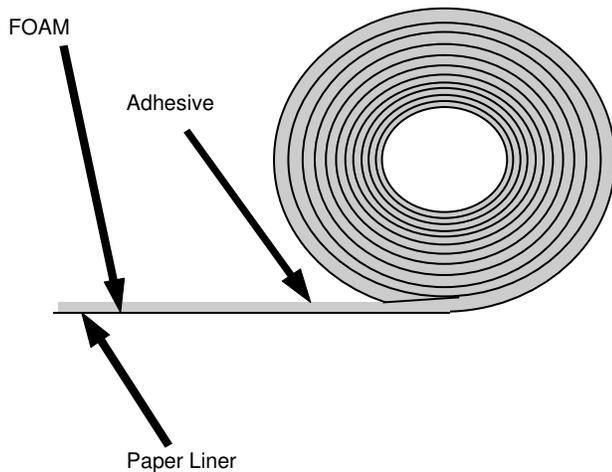


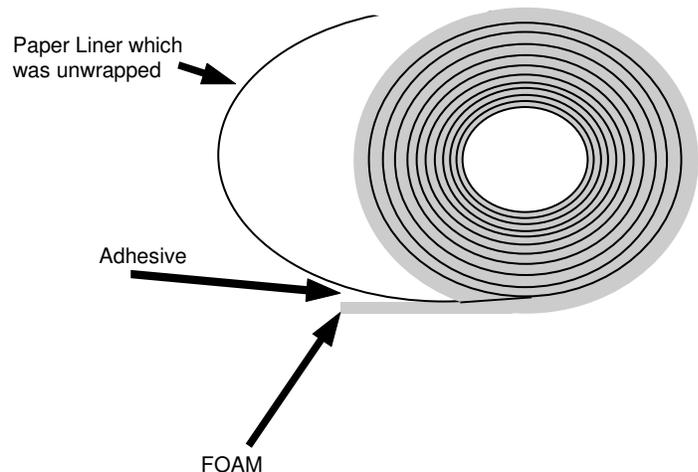
Novagard Solutions manufactures Foam Seal PVC foam with the adhesive side exposed. The length is determined with the foam used in this manner. When the use requires the adhesive side to be against the paper, the product has to be reverse wrapped so the uncoated foam is exposed. This causes a loss of yield in length. The reason for this loss is that the configuration of the foam is changed because the foam is compressed onto a shorter length of liner. The loss will be equal to the outer circumference of the material minus 10 inches. Backstripping is also known as reverse wrapping.

Backstripping Example of Foam Seal PVC Foam

Foam Seal Standard Configuration



Backstripped Configuration





Die Cutting the Foam Seal Product: Always remember that our PVC foam is manufactured with the adhesive exposed. You are unable to die cut the material in this configuration. You must reverse wrap the material (See attached drawing). However, reverse wrapping causes a loss of yield in length. The reason for this is that when you reverse wrap you are changing the configuration of the material. The material will now appear to have the release liner covering the adhesive. What has actually taken place is that by reverse wrapping the material you have compressed the material onto a shorter length of liner thus causing a loss in yield. This loss in yield is equal to the length of circumference around the roll. When ordering or pricing die cut material, include these characteristics in your planning process.

Dimensional Changes in Die Cut Parts: Once a part is die cut from a reverse wrapped roll of PVC foam, the parts are subject to dimensional change, sometimes referred to as "growing foam". The reason for this is that the material has been compressed onto a shorter length of release liner by the reverse wrap process. After die cutting, the material will try to recover to the original configuration; this is referred to as "foam memory". If possible, the die should be configured so the largest dimension is cut in the cross machine direction. This will minimize the dimensional change.

Solution to Loss in Yield and Growing Foam: The only solution to eliminate the two problems previously described is to laminate a second release liner to the adhesive side of the foam material, and removing the release liner that is supplied with the material, referred to as the casting sheet. This has to be done while the material is unwound and in a flat position. We do not offer this service, this is a suggestion.

Length around Core: Due to the aggressive adhesive supplied on our PVC Foam, if supplied on a Fiber Core you will lose the foam that is around the core of the roll (about 9 inches). We at Novagard Solutions have incorporated this loss into the length that is supplied on each roll/log. In other words, we supply extra length on each roll/log to compensate for this loss. You will not receive less useable footage than that which is stated.

April 1, 2016