



TECH TIPS

A monthly news product sheet from:
Bovie Screen Process Printing Co., Inc.

Precision in Technical Printing Since 1950

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In this issue:

Choosing The Right Adhesive

Selecting the right pressure sensitive adhesive for your application involves three factors. These are shear, tack and peel. All three of these adhesive features are interrelated.

Shear..... Strong or Weak?

An adhesive with high shear has high internal strength. this property is best used when permanence is needed. With enough force you can separate the adhesive from its attachment. The adhesive will not flow or ooze and holds the label in place. This works best for long term applications.

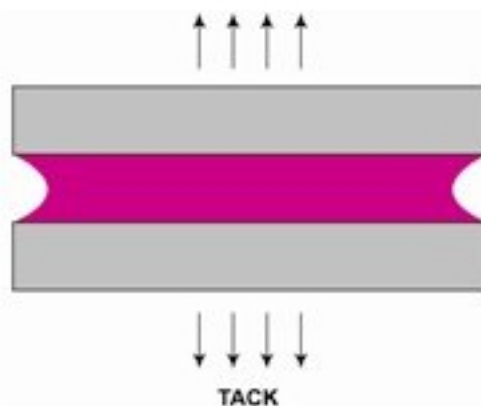


SHEAR

Tack fast or Slow?

A high tack pressure sensitive adhesive will "grab" quickly. this does not help if the decal needs to be carefully positioned or needs to be moved when first applied. High tack also helps to hold the edges down and works best on curved and low surface energy applications.

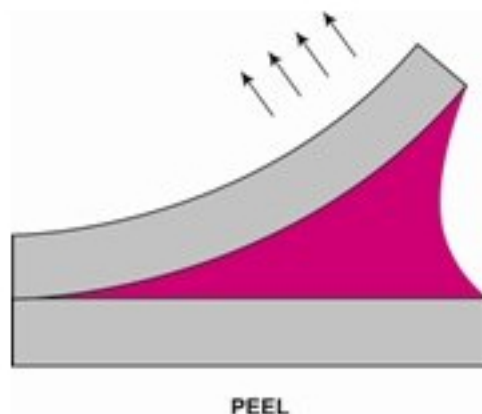
On the other hand, low tack allows a label, overlay or decal to be re-positioned if the location is not correct. This feature usually disappears after 24 hours.



TACK

PEEL -The Ultimate Bond

Peel is a measurement of the adhesive's ability to withstand failure. The resistance to failure covers many areas. Heat, humidity, sun and product stability are considerations in selecting the peel strength of an adhesive. On the other hand, the ability to remove a label or decal cleanly after its use requires a low peel rating.



PEEL

THERE ARE 3 MAIN ADHESIVE CHEMISTRIES:

Silicone, Acrylic and Rubber

Each of these adhesives has different abilities and features. Selection of the correct adhesive asks these questions. What type of material do you need to bond? What conditions will the label, decal or overlay be exposed to? How long does it need to last?