

*Performance
Enhancers*



**Penetrating Agents for High Performance
Liners and Recycled Mediums**

Today's mediums and liners contain extensive amounts of recycled fiber and softwood, making it more difficult for corrugators to produce a quality bond at high speeds. The high performance liners and recycled mediums prevent the starch from penetrating into the paper fiber, which is crucial for a strong bond to occur.

In testing many different combinations of materials, Corrugated Chemicals discovered that products found in other industries do not necessarily work when blended with starch (which contains a high pH level). Our Penetrating Agents were developed exclusively for the corrugated industry to help overcome hard-to-penetrate liners and mediums.

BOND-AID®

Unlike most wetting agents, which cause rapid penetration of water into paper, **BOND-AID®** is composed of a blend of hydrophilic amphoteric polymers that reduces the surface tension of starch and allows the adhesive to penetrate into the paper fibers. The bond quality, on high performance liners and recycled mediums, is improved without negatively affecting medium rolls, which may absorb water too quickly.

Characteristics:

- Improved starch penetration and bond
- No impact on absorbent mediums
- Effective with high pH starch
- Enhances WPA/MRA results
- No effect to starch's gel or viscosity

BOND-AID® PLUS

BOND-AID® PLUS provides rapid penetration of the starch into the liner and medium. It is typically used in the most difficult situations. It is a blend of hydrophilic amphoteric polymers that reduces the surface tension of starch and allows the adhesive to penetrate into the paper fibers.

Characteristics:

- Improved starch penetration and bond
- Penetrates into the most difficult papers
- Effective with high pH starch
- Enhances WPA/MRA results
- No effect to starch's gel or viscosity



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