SABA AQUABOND 3801

Two-Component Water-Based Adhesive

A common challenge faced by many bedding manufacturers and foam fabricators is finding a water-based adhesive solution that can provide rapid initial tack and immediate handling strength on the most challenging substrates. If you find yourself facing similar challenges, SABA may have the optimal solution for you via our two-component water-based adhesive, SABA Aquabond 3801.

What is a Two-Component Adhesive?

A two-component water based adhesive combines a water-based adhesive with a catalyst (activator) which is injected into the adhesive spray pattern at the point of application (See figure 1).

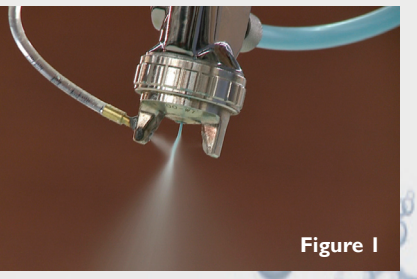


Figure 1

How does it perform?

Forget about struggling, pressing and waiting for a final bond to develop on your difficult substrates. If you're all about speed and handling strength, SABA Aquabond 3801 may be for you.

SABA Aquabond 3801 delivers very rapid initial tack and bonds rapidly and permanently to a wide variety of substrates including non-woven's, plastics, metals and other non-porous substrates. The bonding characteristics are, quite frankly, remarkable as the initial tack is faster than most hot melt and solvent-based adhesives while remaining water-based and environmentally friendly. For mattress producers and foam fabricators, it's the answer when immediate handling strength is required on difficult to bond or very heavy substrates.

The SABA Two-Component Application System:

The key to hassle-free two-component adhesive application is in the application and delivery equipment. SABA's breakthrough OptiGlueMix 2K (see figure 2) provides a spray gun that is simple to operate and maintain while also minimizing overspray for efficiency and cost savings.

Figure 2

SABA uses specially engineered ultra low pulsation double diaphragm pumps to supply both the adhesive and activator to the spray stations (see figure 3). These low maintainence pumps are not only simple to operate but also provides consistent and optimized adhesive flow rates to each spray station to maintain proper application ratios.

Advantages over Alternative Adhesive Solutions:

When comparing SABA Aquabond 3801 to solvent-based adhesives the advantages are quite clear. Aquabond 3801 delivers similar, if not superior, initial handling strength while remaining water-based, VOC free and non-flammable. This means a safer working environment for employees and a "green" alterative to solvent-based adhesives.

When compared to hot-melt adhesives Aquabond 3801 provides additional advantages. In terms of product quality, lab testing shows that Aquabond 3801 provides a final bond strength that is up to three times greater than hot-melt bonds.

Further, there is no risk of "noise" or "crackling" from bond failure with Aquabond 3801 as compared to hot-melt bonds. Also, from an application standpoint, Aquabond 3801 provides enhanced employee safety as there is no risk of skin burns that are common in hot melt applications.

Is Aquabond 3801 the Optimal Solution for you?

The answer to this question is simply based upon your product mix and the required initial handling strength. Frankly, if a standard one component water-based adhesive, like SABA Superspray 3802, provides you with adequate initial tack and handling strength, then perhaps a two-component adhesive isn't needed. However, if you are challenged by applications where water-based adhesives have simply never been able to match your required production needs or perhaps failed to provide the optimal bonding characteristics, then Aquabond 3801 may be the answer. In short, if you find that you struggle with one-component water-based adhesives or have to use solvent or hot melt to get certain pieces through production, there is a water-based adhesive available that will likely exceed your expectations and you'll find this in SABA Aquabond 3801.

Figure 3

Costing and Equipment Investment:

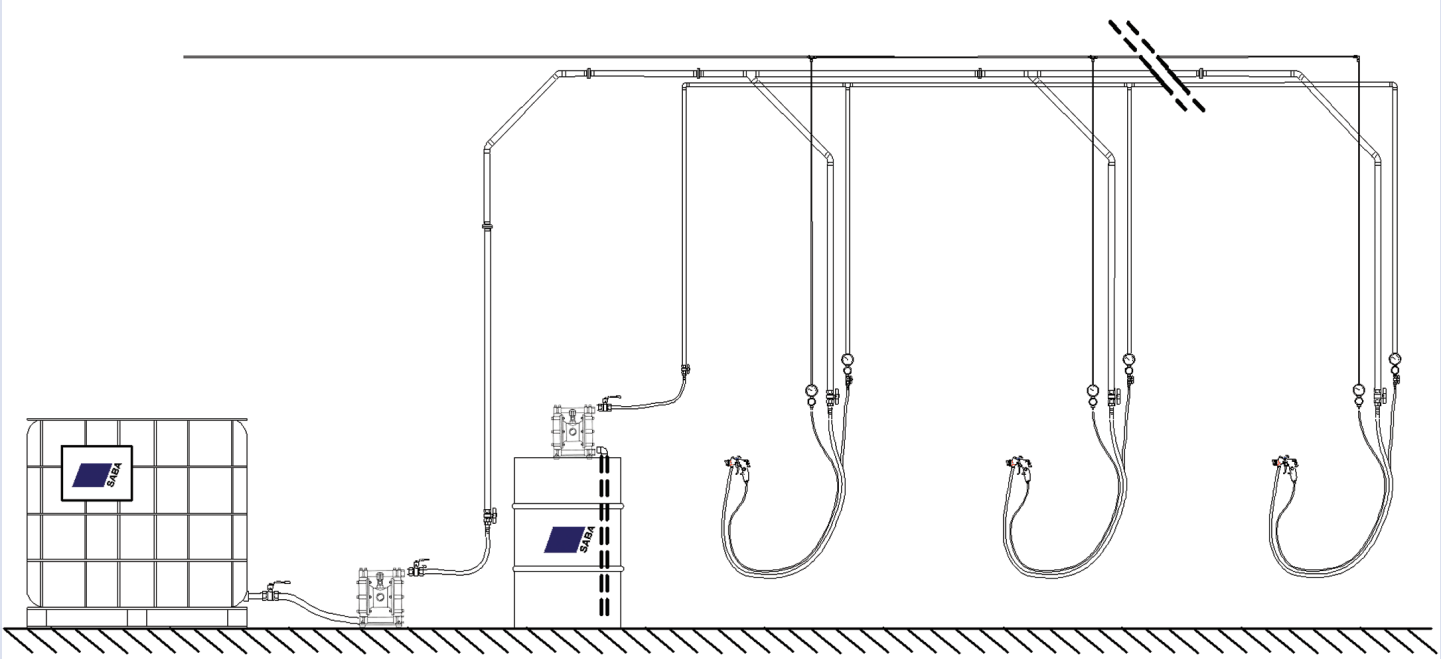
SABA Aquabond 3801 is competitively priced and our application system provides optimal efficiency, thus ensuring the lowest possible adhesive cost per piece produced. Talk to your local Adheco rep to learn more about our flexible equipment procurement op-tions.

SIMPLICITY

System is Versatile, Adaptable and Convenient

Adheco will install the complete system for you and train your operators on application technique and equipment function. The SABA system is extremely versatile and can be adapted to meet almost any plant configuration. Further, up to 16 spray stations can be fed from a single set of pumps meaning less inventory on hand and added convenience.

Aquabond 3801 System



The illustration above represents a typical Aquabond 3801 two-component water-based adhesive system when installed in a production setting.

Contact Adheco Ltd. today for a free product demonstration.

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SABA, dedicated to foam bonding
Est. 1933: 77 years of strong bonds