

# 5 Myths About Water-Based Adhesives Disproved

## Dispensing and Bonding With Water-Based Adhesives

If you work in industrial, manufacturing, or construction industries, you might not realize all that water-based adhesives can offer. Here are some myths you may have heard — and the truth about how adhesives like 3M™ Fastbond™ Pressure Sensitive Adhesive 1049 can help you **spray smart**.

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### Myth #1

## Water-based adhesives are not as strong as solvent-based adhesives.

### Disproved:

You don't have to sacrifice adhesive performance for improved sustainability. Many water-based products have stronger overlap shear than solvent-based products do.

Overlap Shear Strength  
(Birch to Birch, PSI)

200



3M™ Fastbond™ Pressure Sensitive Adhesive 1049

150



3M™ Super 77™ Multipurpose Spray Adhesive

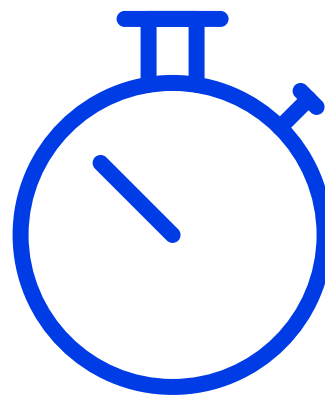
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### Myth #2

## Water-based adhesives take too long to make a bond.

### Disproved:

3M™ Fastbond™ Pressure Sensitive Adhesive 1049 offers a fast, aggressive tack for a quick, one-surface bond.



**Bonds can be made immediately**  
*with porous substrates.*

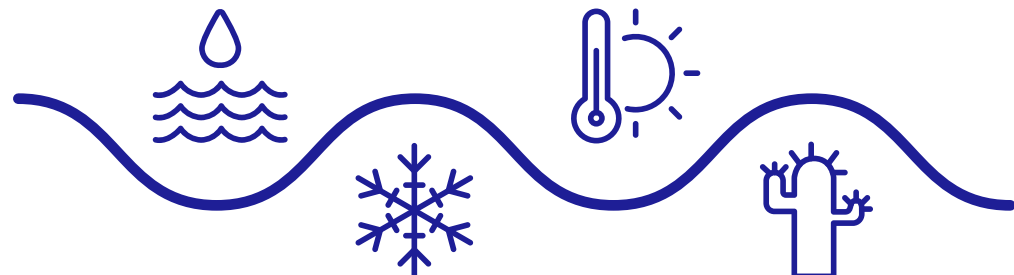
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### Myth #3

## Water-based adhesives cannot be used in changing work environments.

### Disproved:

With proper awareness, water-based adhesives can be applied in hot, humid, cold, and dry conditions.



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### Myth #4

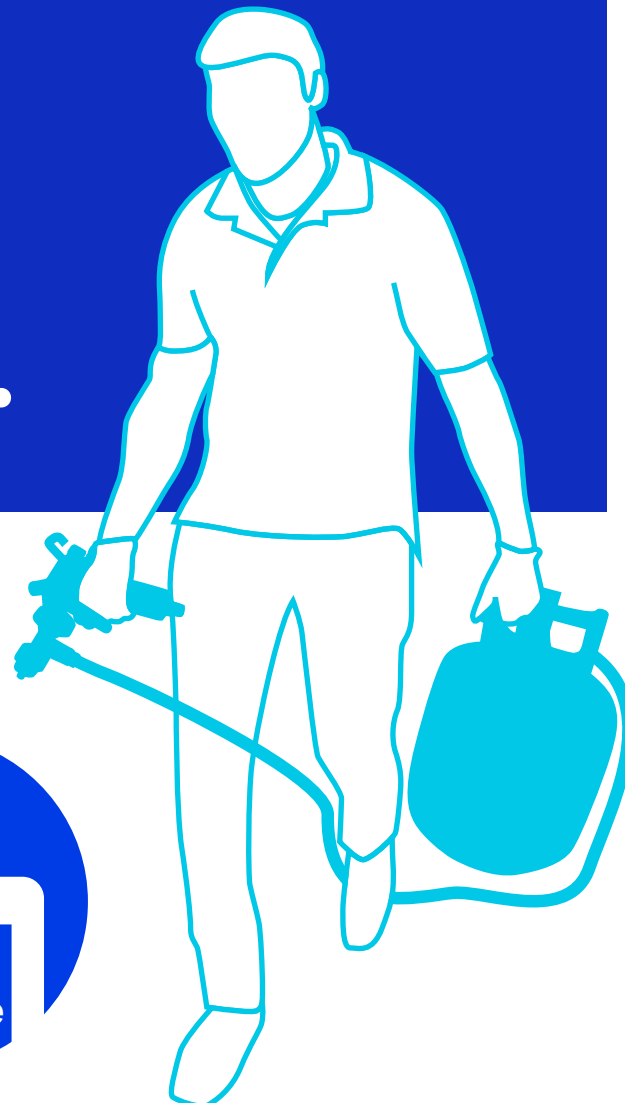
## It takes time, expertise, and expensive equipment to use a water-based adhesive in my process.

### Disproved:

With new cylinder technology, 3M™ Fastbond™ Pressure Sensitive Adhesive 1049 is self-contained and portable — making application faster, easier, and more cost-efficient. The new applicator system features a disposable spray nozzle that's optimized for improved operational throughput and delivers value through high coverage.



- Fast
- Easy
- Cost-efficient



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### Myth #5

## Cylinder adhesives cannot meet local environmental health and safety (EHS) requirements.

### Disproved:

Designed with solventless, non-flammable technology, 3M™ Fastbond™ Pressure Sensitive Adhesive 1049 helps improve worker safety and helps your company meet EHS goals.

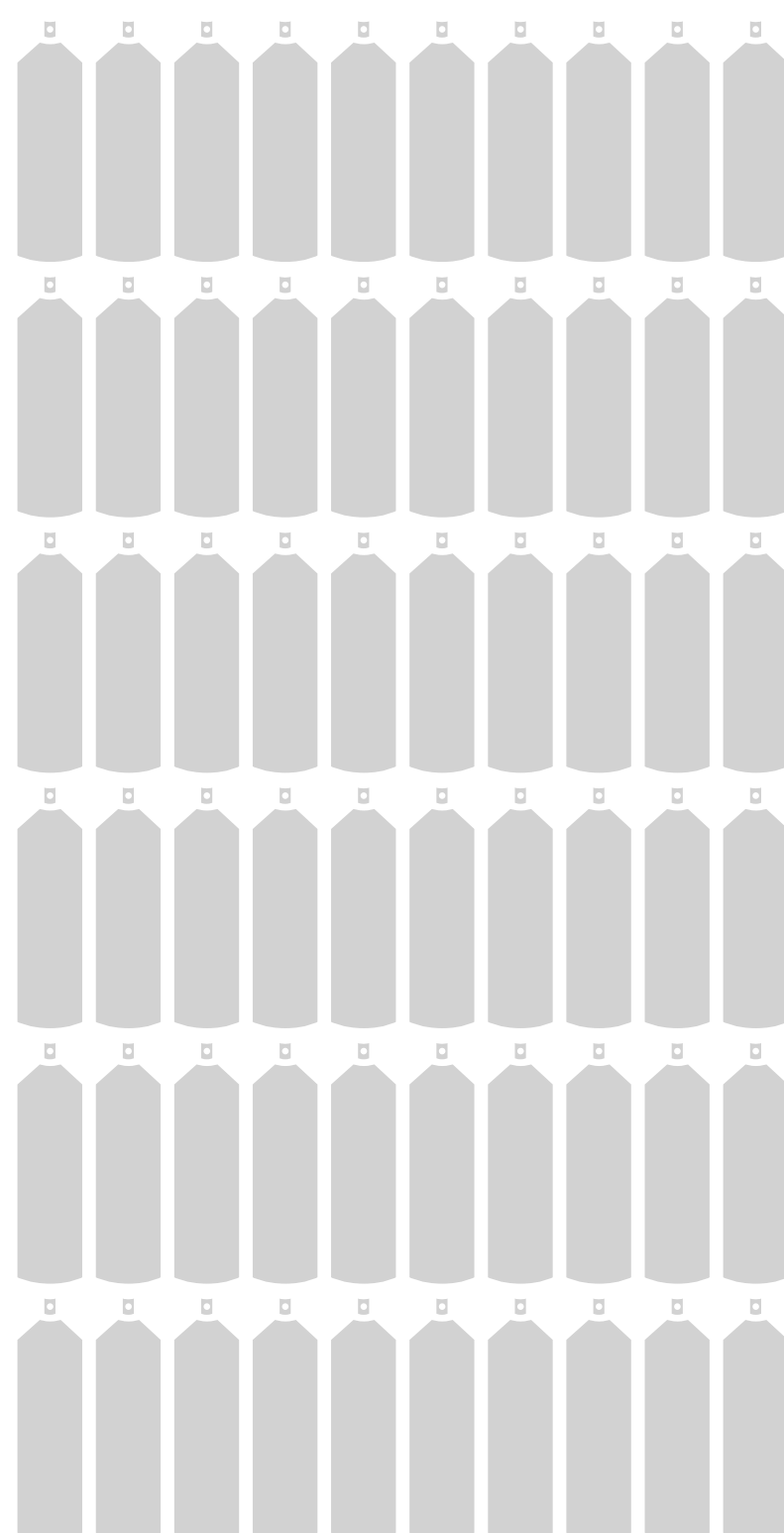
With a next-generation, water-based formula, it helps meet goals to lower volatile organic compounds (VOCs), solvents, and other targeted substances.

Designed to achieve key global certifications and meet increasingly stringent emissions regulations around the world, it also meets California Air Resources Board (CARB) and South Coast Air Quality Management District (SCAQMD) regulations, as well as Ozone Transport Commission (OTC) rules.

The cylinder is designed to minimize equipment investment as well as waste. You can replace approximately 60 aerosol cans\* with each 3M™ Fastbond™ Pressure Sensitive Adhesive 1049 cylinder and reduce your use of larger cylinders.



**1 cylinder = ~60 cans\***



\*Based on a % solids calculation of 3M™ Spray 77™ Multipurpose Spray Adhesive.

**Learn more at [3M.com/sprayadhesives](https://3M.com/sprayadhesives).**

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Industrial Adhesives and Tapes Division  
3M Center  
St. Paul, MN 55144 USA

Phone 1-800-362-3550  
Web [3M.com/sprayadhesives](https://3M.com/sprayadhesives)

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