Power Adhesives

Sprayable Hot Melt System

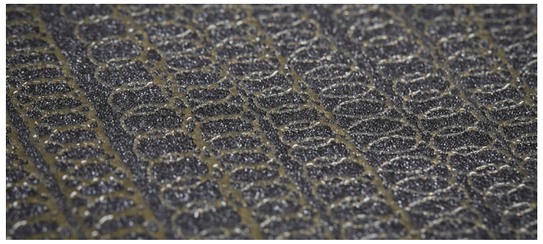
Revolutionary technology for the fast and efficient application of hot melt adhesives.

Our sprayable system brings spray capability to the handheld hot melt tool range, offering the most convenient and cost-effective way to apply hot melt over large surface areas—without compromising bond strength.

Solvent-free Spray Technology

Utilising compressed air instead of hazardous propellants, our complete sprayable hot melt system comprises of 100% solid hot melt adhesive slugs, applied via a specialist spray tool.

This process removes the hazardous VOCs associated with spray can adhesives, making the entire system safer for both users and the environment.



Construction & Product Assembly Approved

Tried and tested across multiple industries, our spray technology is redefining large-scale bonding and applications involving heat-sensitive substrates. While it's predominantly used for bonding foam and EPS, our range of Tecbond formulations delivers strong adhesion to nearly any substrate - including many of the most challenging plastics.

Markets & Applications

Packaging

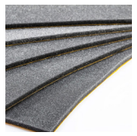
Automotive

Furniture & Upholstery

Medical

Mattress Manufacture

White Goods



Foam & Insulation

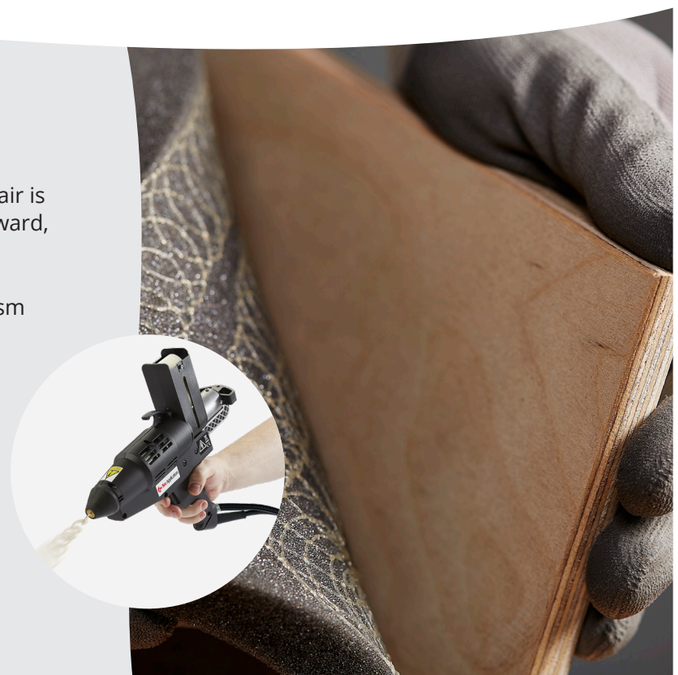
HVAC

How it works

1. Upon pulling the pneumatic trigger, compressed air is fed into the tool, forcing the feed mechanism forward, pushing the adhesive into the heating element.

2. Once the adhesive has melted, the feed mechanism continues to push the molten adhesive through the tool up to the nozzle.

3. The compressed air used to push the feed mechanism, is fed into the outer section of the nozzle. Each nozzle has several slanted flutes around the outside which the air escapes from. This causes the adhesive to both spiral and rapidly cool as it's extruded.



Sprayable Hot Melt System

Adhesive Breakdown

Adhesive	Description
Tecbond 410	Sprayable hot melt adhesive with low tack to aid in easy removal - designed for pallet stabilisation.
Tecbond 420	Sprayable general-purpose adhesive, primarily used in the manufacture of mattresses & HVAC units.
Tecbond 425	Sprayable general-purpose adhesive, suitable for use on wood, many plastics & heat-sensitive materials.
Tecbond 430	Sprayable adhesive with high instant tack & longer open time. For use on foams, wood, boards, & some plastics.
Tecbond 440	Sprayable hot melt adhesive for product assembly & tough packaging applications.

Tec Applicators

Tec 6300

The introductory tool for the spray range, the Tec 6300 is a sleek, yet powerful pneumatically powered hot melt applicator designed to dispense adhesive in a swirl pattern. Its feed mechanism is powered by compressed air, and at peak flow, can dispense over 4kg of adhesive per hour.

Melt Rate	4.2kg (10lbs)/hr
Temperature	180°C (350°F)
Power Source	Mains Powered

Tec 7300

The pinnacle of hot melt application technology. The Tec 7300 is a pneumatically assisted hot melt applicator designed to dispense adhesive in a swirl pattern, covering a greater area than possible with a traditional bead tool. Engineered to maintain steady adhesive flow at lower temperatures than a bead applicator, the Tec 7300's output pattern is fully adjustable to meet all bonding requirements, including on heat-sensitive substrates.

Melt Rate	5.25kg (11.25lbs)/hr
Temperature	180°C (350°F)
Power Source	Mains Powered

Nozzles & Patterns

The range of nozzles available with the Tec spray tools maximise overall adhesive output, whilst providing a range of spray patterns to perfectly match your application.

PA6056

Narrow angle spray nozzle – 2mm orifice

PA6060

Medium angle spray nozzle – 2mm orifice

PA6064

Wide angle spray nozzle – 2mm orifice

Patterns can also be modified by adjusting the air pressure, the distance the tool is from the substrate, and turning the small air regulation screw on the back end of the tool.

The air regulation screw dictates how much air is directly fed to the nozzle. When turned fully clockwise, all air pressure is directed to the nozzle, creating a bead. When turned fully left, almost all the air is directed to the flutes around the nozzle, creating a finer spray.

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