

Shaped Hot Melt

Adhesives Guide



Working together to create long lasting bonds.

Power Adhesives manufactures a large range of shaped hot melt adhesives that are designed to be used with the Tec range of adhesive applicators, providing a high-performance, cost-effective application system.

Tecbond adhesives are used in almost all industries, including packaging, woodworking, construction, product assembly, electrical, automotive and flooring.









Selecting the correct adhesive for an application depends on a range of factors, including substrates, application requirements and cost.

This guide is designed to aid the selection process by highlighting the key applications of each adhesive, and then listing the relevant data such as open time, viscosity and heat resistance so the adhesives can be compared and short listed for testing, based on the application.

Our tech services are always available to discuss any application requirements in more detail. If you can't find what you're looking for, contact us to find out more about our full range of Tecbond shaped and bulk hot melt adhesives, or speak to us about developing a bespoke hot melt to suit your requirements.



Key for adhesive guide

-  **Chemistry**
The polymer the adhesive is based on.
-  **Temperature**
Temperature at which the adhesive should be applied.
-  **Open Time**
Time available after application to make a bond.
-  **Low Temp**
Temperature at which the adhesive becomes brittle.
-  **Softening Point**
(SP) Temperature at which adhesive starts to become molten.
-  **Heat Resistance**
(HR) A guide to the heat resistance of the adhesive bond.
-  **Viscosity**
Indication of how much the adhesive flows.
-  **Colour**
The colour of the adhesive.

Scan for more information




Please be aware that some test readings can fluctuate based on the size and form of the adhesive.



Featuring a selection of bio-based and biodegradable solutions, our packaging hot melts enhance packaging & print operations, offering increased efficiency, secure bonds and fast setting speeds. We provide solutions that work with every type of packaging material, including heat-sensitive substrates such as foams or expanded polystyrene.

| Reference | Sizes (mm) | Uses | Chemistry | Open Time | Viscosity / cPs | SP / °C | HR / °C | Low Temp / °C | Colour |
|-----------|---------------|---|-----------|------------------------|-----------------|---------|---------|---------------|------------|
| 1X | 12, 43 | Low viscosity wood working & packaging adhesive. | EVA | 20 seconds | 3500 @ 180 °C | 95 | 75 | 20 | Pale Amber |
| 14 | 12, 15, 43 | Very fast setting, high delivery rate box & carton closing adhesive (40% sustainable bio based). | EVA | <10 seconds | 2000 @ 180 °C | 113 | 85 | 0 | Pale Amber |
| 210 | 12 | Clear, fast setting hot melt adhesive designed to create temporary bonds that are easily removable. | Rubber | <10 seconds | 6000 @ 180 °C | 150 | 120 | -70 | Off White |
| 214 | 12, 15, 43 | Economical packaging adhesive designed for use on most paper & board substrates. Made with 45% bio based materials. | EVA | 10 seconds | 4000 @ 180 °C | 102 | 75 | 0 | Pale Amber |
| 214B | 12, 15, 43 | Biodegradable packaging adhesive designed for use on most paper & board substrates. Made with 45% bio based materials. | EVA | 10 seconds | 4000 @ 180 °C | 102 | 75 | 0 | Pale Amber |
| 265 | 43 | High-performance packaging & product assembly adhesive designed to bond UV-varnished board & card. | Acrylic | 30 seconds | 3500 @ 180 °C | 117 | 60 | -10 | Amber |
| 342 | 12, 43 | Packaging adhesive with very high instant grab for Triwall & other stiff boards. | EVA | 10 seconds | 8500 @ 180 °C | 100 | 75 | 10 | White |
| 345 | 12, 43 | Packaging adhesive with versatile adhesion for difficult surfaces including UV varnish - suitable for deep freeze applications. | PO | 20 seconds | 3000 @ 180 °C | 106 | 80 | -40 | White |
| 410 | 43 | Sprayable hot melt adhesive with low tack to aid in easy removal - designed for pallet stabilisation. | PO | 30 seconds | 3500 @ 180 °C | 125 | 85 | -10 | Off White |
| 1942 | 12, 43 | Packaging & woodworking adhesive able to bond wood & many plastics including ABS, nylon & PVC. | EVA | 10 seconds | 5000 @ 180 °C | 99 | 80 | -10 | Amber |
| LM41 | 7, 12, 15, 43 | Clear, high strength, all-purpose adhesive, formulated for use in low melt adhesive applicators. | EVA | 1 minute 30 seconds | 12000 @ 130 °C | 100 | 85 | 10 | Clear |
| LM42 | 12 | Economical general-purpose adhesive - formulated for use in low melt adhesive applicators. | EVA | 40 seconds | 9000 @ 130 °C | 85 | 70 | -10 | White |
| LM46 | 12, 15, 43 | Fast-setting packaging adhesive for use in low melt applicators. | EVA | 20 seconds | 13000 @ 130 °C | 88 | 80 | 10 | White |

Can't find what you're looking for? Contact us to find out more about our full range of Tecbond shaped and bulk hot melt adhesives, or speak to us about developing a bespoke hot melt to suit your requirements.

 **Glue Size Converter**

12mm - ½", 15mm - ⅝", 43mm - 1¾"



From specialist precast adhesives through to plasterboard bonding, our hot melts are ideal for use across the construction industry. Available in larger shaped formats and unique sprayable formulations, our adhesives stand as the reliable, cost-effective and user-friendly alternatives to many other fixing systems.

| Reference | Sizes (mm) | Uses | Chemistry | Open Time | Viscosity / cPs | SP / °C | HR / °C | Low Temp / °C | Colour |
|-----------|---------------|---|-----------|------------------------|-----------------|---------|---------|---------------|---------------|
| 1X | 12, 43 | Low viscosity wood working & packaging adhesive. | EVA | 20 seconds | 3500 @ 180°C | 95 | 75 | 20 | Pale Amber |
| 5 | 12, 15, 43 | Woodworking & carpentry adhesive with low viscosity for tighter joints. | EVA | 10 seconds | 1400 @ 180 °C | 105 | 70 | 0 | Pale Amber |
| 23 | 12, 15, 43 | Multi-purpose product assembly adhesive designed for use on fabrics, ceramics, hard & soft woods. | EVA | 30 seconds | 5000 @ 180 °C | 88 | 80 | 0 | Pale Amber |
| 213 | 12, 15, 43 | General-purpose hot melt adhesive designed to bond substrates commonly used in flooring & carpet fitting applications. | EVA | 30 seconds | 6000 @ 180 °C | 90 | 80 | 10 | Pale Amber |
| 238 | 12 | Cable tacking & PVC specialist adhesive designed as a replacement for tacks, screws, & cable clips. | Acrylic | 50 seconds | 10000 @ 180 °C | 85 | 70 | -10 | Crystal Crear |
| 248 | 12, 15, 43 | All-purpose construction & repair adhesive, suitable for a range of building materials & many plastics. | Acrylic | 60 seconds | 5000 @ 180 °C | 90 | 75 | -10 | Clear |
| 260 | 12, 15, 43 | High strength product assembly adhesive that delivers flexible final bonds. | EVA | 30 seconds | 6000 @ 180 °C | 90 | 70 | 0 | Pale Amber |
| 261 | 12, 15, 43 | Versatile & strong product assembly adhesive with the ability to bond a variety of substrates. | EVA | 30 seconds | 2500 @ 180 °C | 85 | 75 | 0 | Pale Amber |
| 266 | 43 | Polyolefin-based adhesive specifically designed for use on difficult to bond plastics such as polypropylene & polyethylene. | PO | 40 seconds | 8000 @ 180 °C | 115 | 85 | 20 | Pale Amber |
| 267 | 43 | Product assembly adhesive designed to bond most polyolefin plastics. | PO | 40 seconds | 3000 @ 180 °C | 150 | 80 | 10 | Pale Amber |
| 267W | 15 | Product assembly adhesive designed to bond most polyolefin plastics. | PO | 30 seconds | 4000 @ 180 °C | 150 | 105 | 0 | White |
| 280 | 12, 43 | High-performance, long open time adhesive designed for use in construction & product assembly applications. | PO | 4 minutes | 3300 @ 180 °C | 81 | 70 | -20 | Pale Amber |
| 420 | 43 | Sprayable general-purpose adhesive, primarily used in the manufacture of mattresses & HVAC units. | PO | 3 minutes | 4500 @ 180 °C | 105 | 85 | 0 | Off White |
| 425 | 43 | Sprayable general-purpose adhesive, suitable for use on wood, many plastics & heat-sensitive materials. | PO | 3 minutes | 3000 @ 180 °C | 105 | 80 | 10 | Dark Amber |
| 430 | 43 | Sprayable adhesive with high instant tack & longer open time. For use on foams, wood, boards, & some plastics. | PO | 6 minutes | 4500 @ 180 °C | 102 | 90 | 20 | Off White |
| 440 | 43 | Sprayable hot melt adhesive for product assembly & tough packaging applications. | PO | 6 minutes | 4200 @ 180 °C | 105 | 85 | 0 | Off White |
| 523 | 15, 43 | General-purpose plasterboard & drywall adhesive. | EVA | 30 seconds | 4800 @ 180°C | 92 | 80 | 20 | Pale Amber |
| 550 | 43 | Long working time plasterboard & drywall adhesive. | EVA | 10 seconds | 1500 @ 180°C | 105 | 70 | 0 | Pale Amber |
| 561 | 43 | Shock-resistant plasterboard & drywall adhesive. | EVA | 30 seconds | 2400 @ 180°C | 85 | 75 | 0 | Pale Amber |
| 1942 | 12, 43 | Packaging & woodworking adhesive able to bond wood & many plastics including ABS, nylon & PVC. | EVA | 10 seconds | 5000 @ 180 °C | 99 | 80 | -10 | Amber |
| 7714 | 12 | Product assembly adhesive for applications where high & low temperature resistance is required. | Polyamide | 10 seconds | 6000 @ 190°C | 117 | 100 | -10 | Amber |
| LM41 | 7, 12, 15, 43 | Clear, high strength, all-purpose adhesive, formulated for use in low melt adhesive applicators. | EVA | 1 minute 30 seconds | 12000 @ 130 °C | 100 | 85 | 10 | Clear |

Can't find what you're looking for? Contact us to find out more about our full range of Tecbond shaped and bulk hot melt adhesives, or speak to us about developing a bespoke hot melt to suit your requirements.

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Industrial & Manufacturing



Drive efficiency in manufacturing with our hot melt adhesive solutions for diverse industries. With formulations covering applications from low-volume over moulding, through to large scale manufacturing jobs such as wind turbine construction and engine casting, our hot melts help companies to increase output, whilst cutting down on production costs.

| Reference | Sizes (mm) | Uses | Chemistry | Open Time | Viscosity / cPs | SP / °C | HR / °C | Low Temp / °C | Colour |
|-----------|---------------|---|-----------|---------------------|-----------------|---------|---------|---------------|---------------|
| 5 | 12, 15, 43 | Woodworking & carpentry adhesive with low viscosity for tighter joints. | EVA | 10 seconds | 1400 @ 180 °C | 105 | 70 | 0 | Pale Amber |
| 263 | 12 | Product assembly adhesive designed to bond polypropylene. | PO | 10 seconds | 15550 @ 180 °C | 150 | 95 | -30 | Pale Amber |
| 420 | 43 | Sprayable general-purpose adhesive, primarily used in the manufacture of mattresses & HVAC units. | PO | 3 minutes | 4500 @ 180 °C | 105 | 85 | 0 | Off White |
| 425 | 43 | Sprayable general-purpose adhesive, suitable for use on wood, many plastics & heat-sensitive materials. | PO | 3 minutes | 3000 @ 180 °C | 105 | 80 | 10 | Dark Amber |
| 430 | 43 | Sprayable adhesive with high instant tack & longer open time. For use on foams, wood, boards, & some plastics. | PO | 6 minutes | 4500 @ 180 °C | 102 | 90 | 20 | Off White |
| 440 | 43 | Sprayable hot melt adhesive for product assembly & tough packaging applications. | PO | 6 minutes | 4200 @ 180°C | 105 | 85 | 0 | Off White |
| 7718 | 12, 15 | Low viscosity potting & encapsulation adhesive tested to UL 94 V0 fire retardancy rating. | Polyamide | 20 seconds | 1000 @ 190 °C | 160 | 115 | 10 | Amber & Black |
| 7784 | 12, 15, 43 | Temperature resistant product assembly adhesive designed for use on metal, wood, glass, ceramics, & many plastics. | Polyamide | 30 seconds | 6000 @ 190 °C | 135 | 120 | -60 | Amber |
| 7785 | 12, 15, 43 | Chemical resistant hot melt for applications where fuel & oil resistance is required (filter manufacture). | Polyamide | 10 seconds | 5500 @ 190 °C | 155 | 135 | -10 | Amber |
| 7786 | 12, 15 | Polyamide hot melt adhesive for overmoulding, designed with class-leading high and low temperature resistances and tested to UL 94 V0 fire retardancy rating. | Polyamide | <10 seconds | 4800 @ 190 °C | 155 | 145 | -40 | Black |
| LM41 | 7, 12, 15, 43 | Clear, high strength, all-purpose adhesive, formulated for use in low melt adhesive applicators. | EVA | 1 minute 30 seconds | 12000 @ 130 °C | 100 | 85 | 10 | Clear |

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The foundation of many commercial products, our solutions have been redefining the assembly of both mass-produced and custom products. Present in everyday household equipment and automotive interiors, our adhesives empower manufacturers to streamline production by reducing the need for specialized adhesives and tools. Our versatile formulations can be used across a wide range of applications, making them an essential component in modern manufacturing.

| Reference | Sizes (mm) | Uses | Chemistry | Open Time | Viscosity / cPs | SP / °C | HR / °C | Low Temp / °C | Colour |
|-----------|---------------|---|-----------|---------------------|-----------------|---------|---------|---------------|---------------|
| 23 | 12, 15, 43 | Multi-purpose product assembly adhesive designed for use on fabrics, ceramics, hard & soft woods. | EVA | 30 seconds | 5000 @ 180 °C | 88 | 80 | 0 | Pale Amber |
| 213 | 12, 15, 43 | General-purpose hot melt adhesive designed to bond substrates commonly used in flooring & carpet fitting applications. | EVA | 30 seconds | 6000 @ 180 °C | 90 | 80 | 10 | Pale Amber |
| 232 | 7, 12, 15, 43 | Clear general-purpose hot melt adhesive designed to provide excellent adhesion to fabrics. | EVA | 30 seconds | 10000 @ 180 °C | 87 | 80 | -30 | Clear |
| 242 | 12 | Crystal clear, high-performance product assembly adhesive - high viscosity. | EVA | 30 seconds | 14000 @ 180 °C | 82 | 80 | -20 | Clear |
| 246 | 12 | High viscosity hot melt adhesive formulated for use in PDR (Paintless Dent Repair) applications. | EVA | 40 seconds | 12000 @ 180 °C | 86 | 75 | -10 | Clear & Black |
| 248 | 12, 15, 43 | All-purpose construction & repair adhesive, suitable for a range of building materials & many plastics. | Acrylic | 60 seconds | 5000 @ 180 °C | 90 | 75 | -10 | Clear |
| 260 | 12, 15, 43 | High strength product assembly adhesive that delivers flexible final bonds. | EVA | 30 seconds | 6000 @ 180 °C | 90 | 70 | 0 | Pale Amber |
| 261 | 12, 15, 43 | Versatile & strong product assembly adhesive with the ability to bond a variety of substrates. | EVA | 30 seconds | 2500 @ 180 °C | 85 | 75 | 0 | Pale Amber |
| 263 | 12 | Product assembly adhesive designed to bond polypropylene. | PO | 10 seconds | 15550 @ 180 °C | 150 | 95 | -30 | Pale Amber |
| 265 | 43 | High-performance packaging & product assembly adhesive designed to bond UV-varnished board & card. | Acrylic | 30 seconds | 3500 @ 180 °C | 117 | 60 | -10 | Amber |
| 266 | 43 | Polyolefin-based adhesive specifically designed for use on difficult to bond plastics such as polypropylene & polyethylene. | PO | 40 seconds | 8000 @ 180 °C | 115 | 85 | 20 | Pale Amber |
| 267 | 43 | Product assembly adhesive designed to bond most polyolefin plastics. | PO | 40 seconds | 3000 @ 180 °C | 150 | 80 | 10 | Pale Amber |
| 267W | 15 | Product assembly adhesive designed to bond most polyolefin plastics. | PO | 30 seconds | 4000 @ 180 °C | 150 | 105 | 0 | White |
| 280 | 12, 43 | High-performance, long open time adhesive designed for use in construction & product assembly applications. | PO | 4 minutes | 3300 @ 180 °C | 81 | 70 | -20 | Pale Amber |
| 345 | 12, 43 | Packaging adhesive with versatile adhesion for difficult surfaces including UV varnish - suitable for deep freeze applications. | PO | 20 seconds | 3000 @ 180 °C | 106 | 80 | -40 | White |
| 420 | 43 | Sprayable general-purpose adhesive, primarily used in the manufacture of mattresses & HVAC units. | PO | 3 minutes | 4500 @ 180 °C | 105 | 85 | 0 | Off White |
| 425 | 43 | Sprayable general-purpose adhesive, suitable for use on wood, many plastics & heat-sensitive materials. | PO | 3 minutes | 3000 @ 180 °C | 105 | 80 | 10 | Dark Amber |
| 430 | 43 | Sprayable adhesive with high instant tack & longer open time. For use on foams, wood, boards, & some plastics. | PO | 6 minutes | 4500 @ 180 °C | 102 | 90 | 20 | Off White |
| 440 | 43 | Sprayable hot melt adhesive for product assembly & tough packaging applications. | PO | 6 minutes | 4200 @ 180 °C | 105 | 85 | 0 | Off White |
| 7714 | 12 | Product assembly adhesive for applications where high & low temperature resistance is required. | Polyamide | 10 seconds | 6000 @ 190 °C | 117 | 100 | -10 | Amber |
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| 7784 | 12, 15, 43 | Temperature resistant product assembly adhesive designed for use on metal, wood, glass, ceramics, & many plastics. | Polyamide | 30 seconds | 6000 @ 190 °C | 135 | 120 | -60 | Amber |
| 7785 | 12, 15, 43 | Chemical resistant hot melt for applications where fuel & oil resistance is required (filter manufacture). | Polyamide | 10 seconds | 5500 @ 190 °C | 155 | 135 | -10 | Amber |
| 7786 | 12, 15 | Polyamide hot melt adhesive for overmoulding, designed with class-leading high and low temperature resistances and tested to UL 94 V0 fire retardancy rating. | Polyamide | <10 seconds | 4800 @ 190 °C | 155 | 145 | -40 | Black |
| LM41 | 7, 12, 15, 43 | Clear, high strength, all-purpose adhesive, formulated for use in low melt adhesive applicators. | EVA | 1 minute 30 seconds | 12000 @ 130 °C | 100 | 85 | 10 | Clear |
| LM42 | 12 | Economical general-purpose adhesive - formulated for use in low melt adhesive applicators. | EVA | 40 seconds | 9000 @ 130 °C | 85 | 70 | -10 | White |

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Glue Size Converter

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Our hot melt adhesives allow DIYers to unlock the potential of their projects. Offering versatility and unrivalled bond strength, we empower users to let their creativity flow, removing the issues they face when using traditional solvent or water-based glues. In many areas, our adhesives can even replace the use of nails and screws to achieve a seamless finish.

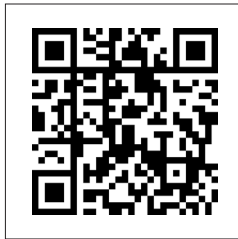
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| 5 | 12, 15, 43 | Woodworking & carpentry adhesive with low viscosity for tighter joints. | EVA | 10 seconds | 1400 @ 180 °C | 105 | 70 | 0 | Pale Amber |
| 23 | 12, 15, 43 | Multi-purpose product assembly adhesive designed for use on fabrics, ceramics, hard & soft woods. | EVA | 30 seconds | 5000 @ 180 °C | 88 | 80 | 0 | Pale Amber |
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| 232 | 7, 12, 15, 43 | Clear general-purpose hot melt adhesive designed to provide excellent adhesion to fabrics. | EVA | 30 seconds | 10000 @ 180 °C | 87 | 80 | -30 | Clear |
| 238 | 12 | Cable tacking & PVC specialist adhesive designed as a replacement for tacks, screws, & cable clips. | Acrylic | 50 seconds | 10000 @ 180 °C | 85 | 70 | -10 | Crystal Clear |
| 239 | 12, 15, 43 | High viscosity crystal clear hot melt adhesive for DIY & recreational applications. | EVA | 40 seconds | 14500 @ 180 °C | 84 | 70 | -30 | Clear |
| 240 | 7, 12, 15, 43 | Versatile & cost-effective all-purpose adhesive - suitable for hot & low melt applicators. | EVA | 30 seconds | 7500 @ 180 °C | 87 | 80 | -10 | Clear |
| 242 | 12 | Crystal clear, high-performance product assembly adhesive - high viscosity. | EVA | 30 seconds | 14000 @ 180 °C | 82 | 80 | -20 | Clear |
| 248 | 12, 15, 43 | All-purpose construction & repair adhesive, suitable for a range of building materials & many plastics. | Acrylic | 60 seconds | 5000 @ 180 °C | 90 | 75 | -10 | Clear |
| 280 | 12, 43 | High-performance, long open time adhesive designed for use in construction & product assembly applications. | PO | 4 minutes | 3300 @ 180 °C | 81 | 70 | -20 | Pale Amber |
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| LM42 | 12 | Economical general-purpose adhesive - formulated for use in low melt adhesive applicators. | EVA | 40 seconds | 9000 @ 130 °C | 85 | 70 | -10 | White |
| LM46 | 12, 15, 43 | Fast-setting packaging adhesive for use in low melt applicators. | EVA | 20 seconds | 13000 @ 130 °C | 88 | 80 | 10 | White |

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