



ADHESIVES

Hot Melt Packaging

1. **ESP-PK1** is a low Viscosity hot melt with excellent hot tack and aggressive adhesion properties. **ESP-PK1** is suitable for coated board and short fibre recycled board with re-pulped content.
- 2 **ESP-PKFG1** has been specifically designed to give good adhesion to difficult board stocks. **ESP-PKFG1** is suitable for use in blast and plate freezer carton sealing applications and is being used at -40°C to -45°C typically through a 24 to 48 hour cycle.
All raw materials included in this formulation comply with FDA 21 CFR 175.105 Adhesives and as such the product is classified as suitable for indirect food contact.





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1. **ESP-PK2** is a low viscosity hot melt adhesive with excellent hot tack and aggressive adhesion properties. **ESP-PK2** is suitable for coated board and short fibre recycled board with re-pulped content. **ESP-PK2** is formulated using high grade, water white resin that exhibits superior heat stability and bonded performance.
2. **ESP-PKFG2** has been specifically designed to give good adhesion to difficult board stocks. **ESP-PKFG2** is suitable in blast and plate freezer carton sealing applications and is being used at -40°C to -45°C typically through a 24 to 48 hour cycle. **ESP-PKFG2** is made from the most refined and highest quality resins globally available. And as a consequence, pot stability is significantly extended well past typical EVA resin hot melts. All raw materials included in this formulation comply with FDA 21 CFR 175.105 Adhesives and as such the product is classified as suitable for indirect food contact.



1. **ESP-PK3** is a Palletising hot melt it is in white colour it is used for stabilisation of cartons or sacks on a pallet. It exhibits a long open time and degree of tack for pallet stabilisation. Also suitable for difficult surfaces when standard hot melts are not successful.



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Hot Melt Labeling

1. **ESP-AR-901** is an off-white colored, super low viscosity; synthetic rubber based hot melt adhesive. It is formulated specifically for PET bottle label pick-up operation. ESP-AR-901 possesses very high tack property and it also exhibits performance in low temperature condition for all kinds of plastic and paper label.

Hot Melt Bookbinding

1. **ESP-BBA1** is a Hot Melt Spine Adhesive it is white in colour has fast rate of set and has excellent flexibility. ESP-BBA1 has been found particular useful where there is only a short delay after adhesive application before trimming takes place.
ESP-BBA1 is suitable for application by all major types of binding machines, eg, Muller Martini, Kolbus, Wholenberg, Harris etc.
2. **ESP-BBA2** is a Bookbinding Side Glue Adhesive it is light colour it has a long open time. It bonds too many difficult surfaces such as polyester film, cellulose acetate and many different lacquers
ESP-BBA2 is suitable for application by all major types of binding machines, eg, Muller Martini, Kolbus, Wholenberg, Harris etc.
3. **ESP-BBA3** is a medium speed, medium viscosity hot melt adhesive specifically designed to give good adhesion to difficult surfaces under freezing conditions. ESP-BBA3 has good hot tack combined with exceptional surface adhesion. ESP-BBA3 is also suitable for bookbinding side seam on difficult stock. The use of a flexible resin system ensures that the finished bond line remains flexible at very low temperatures.



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Fugitive Hot Melt

1. **ESP-AR-603** is an off-white colored and translucent hot melt pressure sensitive adhesive. It has very low bonding strength (peel adhesion) and very low initial tack (loop tack). It is designed for the non-permanent and non-destructive substrate attachment. It is suitable for non-permanent attachment of a wide variety of substrates such as PP, PE and OPP films, paper and non-woven.

Hot Melt Glue Sticks

1. **ESP-AE-150** is a white, medium viscosity and moderately fast setting hot melt glue stick. It is designed to be a dual temperature glue stick, which can be used either in a low temperature or regular temperature glue gun. ESP-AE-150 is suitable for bonding between plastic, fabric, metal, wood, ceramic and paper. ESP-AE-150 also exhibits excellent low temperature bonding characteristics.





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Water Base Products

1. **ESP-FLEX2** is a medium viscosity, synthetic based adhesive that was specifically developed for substrates of medium porosity- fabric, timber, board, paper, can also be used for padding. The properties of this adhesive have been modified so as to tolerate high temperatures and low temperatures. ESP-FLEX2 also provides high tack and fast drying qualities.
2. **ESP-FLEX3** is a medium viscosity, synthetic based adhesive that was specifically developed for substrates of medium porosity- fabric, timber, board, paper. The properties of this adhesive have been modified so as to tolerate high temperatures and low temperatures. ESP-FLEX3 also provides high tack and fast drying qualities.
3. **ESP-FLEX4** is a medium viscosity, synthetic based adhesive that was specifically developed for substrates of medium porosity- fabric, timber, board, paper. The properties of this adhesive have been modified so as to tolerate high temperatures and low temperatures. ESP-FLEX4 also provides high tack and fast drying qualities.
4. **ESP-FLEX5** is a medium viscosity, synthetic based adhesive that was specifically developed for substrates of medium porosity- fabric, timber, board, paper. The properties of this adhesive have been modified so as to tolerate high temperatures and low temperatures. ESP-FLEX5 also provides high tack and fast drying qualities.
5. **ESP-FLEX7** is a synthetic based adhesive developed for bonding general grades of paper and board where flexibility is a requirement. It is also suitable for bonding various types of fabrics to MDF and plasterboard. It can be applied by means of wheel in bath, paint brush or roller. The raw materials used are in compliance with FDA Regulation Title 21, CFR



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Water Base Laminating

1. **ESP-LAM2** is a low viscosity, high tack, adhesive that is suitable for use in a wide range of laminating and corrugating applications. It has been specifically developed to provide an acid free system for picture framing laminated board and other similar applications in the “Art and Craft” fields where lay-flat is also critical.
2. **ESP-LAM3** is a low viscosity, high tack, adhesive that is suitable for use in a wide range of laminating and corrugating applications. It has been specifically developed to provide an acid free system for picture framing laminated board and other similar applications in the “Art and Craft” fields where lay-flat is also critical.
3. **ESP-LAM4** is a low viscosity, high tack, adhesive that is suitable for use in a wide range of laminating and corrugating applications. It has been specifically developed to provide an acid free system for picture framing laminated board and other similar applications in the “Art and Craft” fields where lay-flat is also critical.

Water Base Tissue and Towel

4. **ESP-TTTS1** is a high tack, medium viscosity tail seal adhesive, developed for use on some Perini and PCMC machines to seal the tails of one, two and three ply tissue. **ESP-TTTS1** is also suitable for lower speed pick-up applications. **ESP-TTTS1** exhibits a high degree of wet tack preventing the tail from being released when the log is passing through the accumulators and the saw. When dry, **ESP-TTTS1** exhibits a soft, non-destructive hold.



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Water Base PVA Products

2. ESP-PVAWB18 is a formulated fast set, long open time PVA adhesive designed for the edge gluing of plasterboard and the construction of spiral wrap paper cores. ESP-PVAWB18 has a high initial tack level as well as a long open time that allows for the underside of the plasterboard paper to combine with the top layer in a timely fashion.

Assorted Hand Glue Guns

MS 150 Hubner Hot Melt Pallet Gun





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Hot Melt Glue Stick Gun

