

3M™ Jet-Weld™ Thermoset Adhesive System

Hot melt speed and structural strength performance in the palm of your hand.

This single system combines many production benefits typical of hot melt adhesives and bond performance usually associated with 2-part structural adhesives.

Fast initial set can help you reduce costs. Fast handling strength helps eliminate or minimize fixturing and speed assembly.

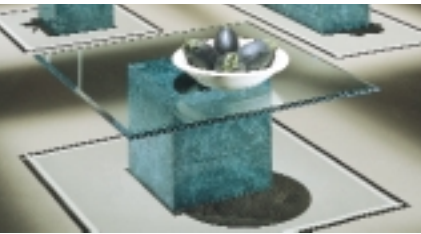
One-component, moisture-curing formulation eliminates metering, mixing and curing equipment. And 100% solids give you a low-VOC adhesive system with no drying equipment and no attack on plastics.

With the long bonding range and initial repositionability, assembly of complex parts is easier. Bond lines are thin, flexible and tough for improved part fit, appearance and rugged performance.

Combine this versatility with the applicator's portability, and you have a system that can adapt readily to many of your production requirements.



The 3M™ Jet-Weld™ II Applicator and moisture-curing urethane adhesives put a powerful production capability in your assembly operation. Bond strength approaches the high end of the performance range, exceeding many conventional hot melts and PVA (polyvinyl acetate) adhesives. Bond wood, plastics, rubber, dissimilar materials, plasticized vinyls, and more.



Decorator tables – 3M™ Jet-Weld™ Adhesive performs multiple tasks including V-groove bonding at the table joints.

Photo courtesy of The Rose Hill Co., Inc.



Trade show booths – 3M™ Jet-Weld™ Adhesive bonds extruded aluminum bracket to laminate covering of honeycomb panel. Bracket is for hanging graphics.



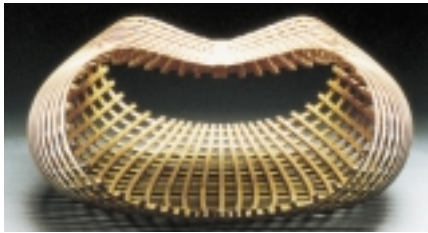
Speaker assemblies – Flexible, tough bond lines of 3M™ Jet-Weld™ Adhesive hold dissimilar materials and multiple components.

Photo courtesy of Bose®.



High performance gliding windows – With fast handling strength, 3M™ Jet-Weld™ Adhesive helps speed the bonding of interior wood trim to the vinyl sash.

Photo courtesy of Andersen Windows, Inc.



Bent wood furniture – With 100% solids 3M™ Jet-Weld™ Adhesive, a manufacturer holds the aesthetic contours of unique bentwood furniture.

Photo courtesy of David Trubridge, designer



Wood furniture – 3M™ Jet-Weld™ Adhesive is easily applied as a bead for bonding wood furniture and cabinet components. Fast handling strength helps speed production.

Product Information: 3M™ Jet-Weld™ Adhesives

	Product	Description	Application temperature	Viscosity @250°F (CPS)	Color	Open time	Set time	Shore D	Tensile strength (PSI)	Elongation %	Modulus (PSI)
Jet-Weld Adhesives	TE-015	Extrudable grade with very fast set time for bonding wood and selected plastics.	250°F (121°C)	7,000	White/ Off-White	1.5 min.	15 sec.	65	3950	750%	2500
	TE-030	Extrudable grade with fast set time for bonding wood and selected plastics.	250°F (121°C)	16,000	White/ Off-White	1 min.	30 sec.	60	3800	725%	11,200
	TE-031	Extrudable grade with fast set time for bonding a wide variety of plastics, including polystyrene and polyacrylic.	250°F (121°C)	13,000	White/ Off-White	2 min.	30 sec.	50	3900	725%	5600
	TE-040	Extrudable grade with fast set time, low viscosity, and strong, flexible bonds. Bond a wide variety of plastics, as well as wood, aluminum and glass.	250°F (121°C)	7,000	White/ Off-White	2 min.	40 sec.	35	2750	860%	2850
	TE-100	Extrudable grade with medium set time and low viscosity for bonding wood and selected plastics. Thin bond lines.	250°F (121°C)	7,000	White/ Off-White	2 min.	1 min.	61	4200	675%	12,200
	TE-200	Extrudable grade with fast set time, low viscosity. For bonding wood and selected plastics. Thin bond lines.	250°F (121°C)	3,000	White/ Off-White	4 min.	2 min.	60	4000	625%	9700
	TS-230	Sprayable/extrudable grade with long set time for bonding a wide variety of plastics, including polystyrene and polyacrylic. Bond aluminum and glass to plastic and wood.	250°F (121°C)	9,000	White/ Off-White	4 min.	2.5 min.	45	3300	700%	5400
	TS-115 HGS	Sprayable/extrudable/roll coatable grade with fast set time, for bonding wood, fiber, reinforced plastic and other plastics to themselves, metal and glass.	250°F (121°C)	16,000	White/ Off-White	10 min.	1 min.	47	3200	600%	3300

Note: This technical information and data should be considered representative or typical only, and should not be used for specification purposes.



Job-matched tips –

- 1) Threaded cap for sealing tip after use.
- 2) Extension tip for improved sight line in hard-to-reach areas.
- 3) .062" tip for low flow applications.
- 4) .125" tip for high flow applications.

.090" tip standard on 3M™ Jet-Weld™II Applicator.

Container sizes to meet your production volume –

- 10 fl.oz. cartridges
- 2k foil packs
- Gallon pail
- 5 gallon pail
- 55 gallon drum

