

Mactac® Adhesive Performance Chart

The following chart includes general characteristics and comparisons of Mactac adhesives. The information is for reference only. Customer or end user should always test for suitability of a product for a given application. Results may vary with substrate variances, dwell time, shape of structure, environmental conditions, etc. Contact Mactac for samples and to discuss your specific application. Information is believed to be accurate and reliable at the time of issuance but no guarantee of accuracy or completeness is made or implied.

	Permanent			All Temp, Cold Temp & Freezer					Removable					Special Permanent											
Adhesives	InFusion®	710VHP	ST-95	CHILL AT®	CHILL AT EXTREME	CHILL AT FDA	640 AT	733	ReLatch® MP820	LT-20	HR51	MR860	MR840	711 VHP	705VHP	XT100	910	MP880	PUREfloat®	MP690	PUREtac® CL216	MF2030	MP238	MP725	PAT1
Adhesive Type	Rubber Based	Rubber Based	Acrylic Based	Rubber Based	Rubber Based	Rubber Based	Acrylic Based	Rubber Based	Acrylic Based	Acrylic Based	Acrylic Based	Acrylic Based	Acrylic Based	Rubber Based	Rubber Based	Acrylic Based	Acrylic Based	Acrylic Based	Acrylic Based	Acrylic Based	Rubber Based	Acrylic Based	Acrylic Based	Rubber Based	Acrylic Based
Min. App. Temp. °F	20	20	25	-10	-10	-10	-20	0	40	32	32	25	25	20	20	32	25	40	40	50	32	-20	25	20	39
Min. Service Temp. °F	-65	-65	-75	-65	-65	-65	-65	-65	-65	-40	-40	-40	-40	-65	-65	-75	-75	-65	-60	-40	-50	-65	-40	-65	-40
Max. Service Temp. °F	150	150	200	150	150	150	200	150	300	200	200	200	200	150	150	200	200	350	200	300	160	200	257	160	302
Applications																									
Repositionable	■	■	†	■	■	■	✓	†	✓	†	†	†	■	■	■	†	†	✓	†	†	■	✓	†	■	†
Mandrel	†	†	✓	†	†	†	✓	†	■	†	■	■	■	†	■	†	†	✓	✓	†	✓	✓	†	■	✓
Hot Fill	†	†	†	†	†	†	✓	†	†	†	†	†	†	†	†	†	†	†	†	†	✓	†	†	†	†
Moist	✓	✓	†	✓	✓	✓	✓	✓	†	†	■	†	†	†	†	†	†	†	✓	†	✓	✓	†	✓	†
Outdoor UV Resistance	■	■	✓	■	■	■	✓	■	†	†	†	†	†	■	■	✓	†	✓	✓	✓	■	✓	†	■	✓
Low Outgassing/ Low Volatility	■	■	■	■	■	■	■	■	✓	■	■	■	■	■	■	■	■	✓	■	■	■	■	†	■	†
Direct Food Contact	■	■	■	■	■	✓	■	■	†	■	■	■	■	✓	■	■	■	■	■	■	■	■	■	■	■
Chemical Resistance	■	■	†	■	■	■	†	■	✓	†	†	†	†	■	■	†	†	✓	†	✓	■	†	†	■	✓
Low Color/Clarity	†	†	†	†	†	†	†	†	✓	†	†	†	†	†	†	†	†	✓	†	†	✓	†	†	†	✓
Water Whitening Resistance	†	†	■	†	†	†	■	†	✓	■	■	■	■	†	†	■	■	✓	■	†	✓	■	✓	†	✓
Plasticizer Resistance	■	■	†	■	■	■	†	■	†	†	■	†	†	■	■	†	†	†	†	†	■	†	†	■	†

✓ Recommended † Test ■ Not recommended

Minimum Application Temperature - lowest ambient & substrate temperature recommended

Minimum Service Temperature - lowest temperature labeled product should be exposed

Maximum Service Temperature - highest temperature labeled product should be exposed

	Permanent			All Temp, Cold Temp & Freezer					Removable					Special Permanent											
Adhesives	InFusion®	710VHP	ST-95	CHILL AT®	CHILL AT EXTREME	CHILL AT FDA	640 AT	733	ReLatch MP820	LT-20	HR51	MR860	MR840	711VHP	705VHP	XT100	910	MP880	PUREfloat®	MP690	PUREtac® CL216	MF2030	MP238	MP725	PAT1
Surfaces/Substrates																									
Rough Textured	+	+	+	+	+	+	+	+	■	+	■	■	■	+	✓	✓	+	+	+	+	+	✓	+	✓	+
Aluminum	✓	✓	✓	✓	✓	✓	✓	✓	✓	+	+	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Corrugated	✓	✓	✓	✓	✓	✓	✓	+	+	+	+	+	+	+	+	✓	✓	+	✓	✓	+	✓	✓	✓	✓
Fiber Drums	+	+	✓	+	+	+	✓	✓	+	+	+	+	+	+	✓	✓	+	✓	✓	✓	+	✓	+	✓	+
Glass	✓	✓	✓	✓	✓	✓	✓	✓	✓	+	+	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HDPE	✓	✓	✓	✓	✓	✓	✓	✓	✓	+	+	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LDPE	✓	✓	+	✓	✓	✓	✓	✓	✓	+	+	✓	✓	✓	✓	+	+	✓	+	+	✓	✓	✓	✓	✓
Steel	✓	✓	✓	✓	✓	✓	✓	✓	✓	+	+	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	+	✓	✓
Painted Enamel	✓	✓	✓	✓	✓	✓	✓	✓	+	+	+	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	+	✓	+
Wood	+	+	+	+	+	+	+	+	■	+	■	■	■	+	✓	✓	+	+	+	+	+	✓	✓	✓	+

✓ Recommended + Test ■ Not recommended

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