

## Liquid Moisture Cure

### MOR-AD ADHESIVES ENGINEERED FOR LAMINATED PANEL AND DOOR CONSTRUCTIONS

The Mor-Ad M-640 series of adhesives have been developed specifically to form strong bonds to a wide variety of materials used for laminated panel and door constructions. These products provide excellent coating characteristics - fast shut-off at the nozzle, less drip, and good spread for more complete adhesive contact. This proprietary technology is a direct result of years of experience and knowledge with polyurethane technology and its application for the laminated panel and door industry.

Product	Working Time* @ 70 deg F	Press Time* @ 70 deg F	Suggested Use
<b>MOR-AD M-640</b>	58 minutes	117 minutes	Mor-Ad M-640 is approved under legacy ICC report ER-5831. The cure rate is optimized for longer WT requirements.
<b>MOR-AD M-642</b>	35 minutes	73 minutes	Mor-Ad M-642 is approved under legacy ICC report ER-5831. The cure rate is optimized for longer- to mid-range WT requirements.
<b>MOR-AD M-643</b>	22 minutes	62 minutes	Mor-Ad M-643 is approved under legacy ICC report ER-5831. The cure rate is optimized for low/mid-range WT requirements.
<b>MOR-AD M-644</b>	13 minutes	46 minutes	Mor-Ad M-644 is approved under legacy ICC report ER-5831. The cure rate is optimized for mid-range WT requirements.
<b>MOR-AD M-646</b>	11 minutes	33 minutes	Mor-Ad M-646 is approved under legacy ICC report ER-5831. The cure rate is optimized for fast assembly and press turnover.
<b>MOR-AD M-647</b>	162 seconds#	358 seconds#	Mor-Ad M-647 is approved under legacy ICC report ER-5831. The cure rate is optimized for very fast assembly and press turnover.
<b>MOR-AD M-648</b>	55 seconds#	117 seconds#	Mor-Ad M-648 is approved under legacy ICC report ER-5831. The cure rate is optimized for the fastest assembly and press turnover.

### MOR-AD ADHESIVES ENGINEERED FOR LAMINATED PANEL CONSTRUCTIONS

The Mor-Ad M-650 series of adhesives have been developed specifically for laminated/sandwich panel constructions, particularly for patio enclosures. These products have been designed for good adhesive penetration and excellent bond strength development, and they exhibit a high modulus of elasticity for improved long-span performance. This proprietary technology is a direct result of years of experience and knowledge with polyurethane technology and its application for the laminated panel industry.

Product	Working Time* (70 deg F)	Press Time* (70 deg F)	Suggested Use
<b>MOR-AD M-650</b>	58 minutes	83 minutes	Mor-Ad M-650 is ICC approved (ESR-1023). The cure rate is optimized for longer WT requirements.
<b>MOR-AD M-652</b>	33 minutes	47 minutes	Mor-Ad M-652 is ICC approved

			(ESR-1023). The cure rate is optimized for longer- to mid-range WT requirements.
<b>MOR-AD M-653</b>	25 minutes	66 minutes	Mor-Ad M-653 adhesive's cure rate is optimized for low/mid-range WT requirements.
<b>MOR-AD M-654</b>	19 minutes	47 minutes	Mor-Ad M-654 adhesive's cure rate is optimized for mid-range WT requirements .
<b>MOR-AD M-657</b>	171 seconds	292 seconds	Mor-Ad M-657 is ICC approved (ESR-1023). The cure rate is optimized for fast assembly and press turnover.
<b>MOR-AD M-658</b>	123 seconds	228 seconds	Mor-Ad M-658 is ICC approved (ESR-1023). The cure rate is optimized for very fast assembly and press turnover.
<b>MOR-AD M-659</b>	78 seconds	141 seconds	Mor-Ad M-659 is optimized for the fastest assembly and press turnover.

**MOR-AD ADHESIVES ENGINEERED FOR RECREATIONAL VEHICLE CONSTRUCTION**

The Mor-Ad M-660 series of adhesives have been developed specifically for RV sidewall, roofing, flooring, and miscellaneous parts manufacturing applications. These products are unique to the industry in that they have relatively flat working time profiles, allowing end users to utilize **one**, moisture curing 100% solids adhesive year round. The proprietary technology is a direct result of years of experience and knowledge with polyurethane technology and its application for the RV industry.

Product	Working Time (min)* @ 60 deg F	Working Time (min)* @ 80 deg F	Working Time (min)* @ 100 deg F	Press Time (min)* @ 60 deg F	Press Time (min)* @ 80 deg F	Press Time (min)* @ 100 deg F	Suggested Use
<b>MOR-AD M-660</b>	48	45	42	105	95	89	Mor-Ad M-660 is engineered for the variety of materials typically used in RV manufacture. Version designed for longer WT requirements .
<b>MOR-AD M-662</b>	27	24	21	56	50	42	Mor-Ad M-662 is engineered for the variety of materials typically used in RV manufacture. Version designed for longer to mid-range WT requirements.
<b>MOR-AD M-664</b>	16	15	14	32	30	28	Mor-Ad M-664 is engineered for the variety of materials typically used in RV manufacture. Version designed for mid-range WT requirements.
<b>MOR-AD M-665</b>	10	9	8	21	19	17	Mor-Ad M-665 is engineered for the variety of materials typically used in RV manufacture. Version designed for fast assembly and press turnover.