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Signage Bonding Solutions

Industrial Adhesives and Tapes
Product Guide

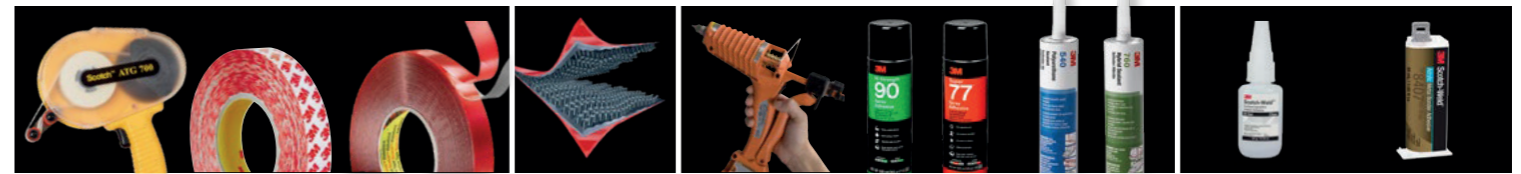
Product Guide for Signage Bonding Solutions

Explore how 3M Industrial Adhesives and Tapes can expand your design possibilities for indoor and outdoor sign installations:

Beat the competition with signage designs that defy gravity with the help of 3M bonding and assembly solutions. Combine dissimilar materials seamlessly with no unsightly marks. 3M industrial adhesives and tapes help streamline the fabrication process and conform to curved surfaces with ease. Incorporating 3M's advanced adhesive technology, these industrial bonding solutions create strong bonds quickly and can withstand changing weather conditions and humidity.

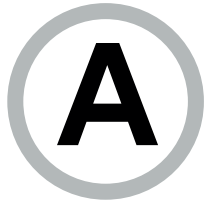
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* Primer: consider appropriate primer to choose from 3M depending on substrate and application. Special surface treatment might be required. Ask your 3M sales specialist.



Substrate		Application examples	Double Sided Tapes			Reclosable Fasteners	Non-Structural Adhesives			Structural Adhesives		
			Adhesive Transfer Tapes	Double Coated Tapes	VHB™ Tapes	Dual-Lock™	Hot Melt / Low Melt	Water and Solvent Based Adhesives	Sealants	Instant Adhesives	2K Adhesives	
Metal	Aluminum, Stainless Steel, Galvanised Steel	Light boxes, Channel letters, 3D letters, Totem signs, Information signs	F9469PC	92015 GPT-020F 9448A	GPH-110GF	SJ3550	-	Hi-Strength 90	740 UV 760	PR100	DP8805 DP8405 DP8407	
	Above metals before powder coating (baking)		-	-	GPH-110GF	-	-	-	-	-	-	DP8407
	Painted Metal		ATG 969 950	GPT-020F 9448A	5952F LSE-110WF primer* + GPH-110GF	SJ3870 primer* + SJ3550	-	Hi-Strength 90	740 UV 760	PR100 SiGel	DP8005	
	Aluminum Sandwich Panels		ATG 969 950	GPT-020F 9448A	5952F LSE-110WF primer* + GPH-110GF	SJ3870 primer* + SJ3550	-	Hi-Strength 90	740 UV 760	PR100 SiGel	DP8005	
Plastic	PVC (flexible)	Light boxes, Pylons, Totem signs, Rooftop signs	F9465PC	GPT-020F	4941	SJ3550	3789	Rubber & Vinyl 80	-	PR100 SiGel	-	
	PMMA, PVC (rigid), other MSE plastics (ABS)		467MP ATG 969 950	GPT-020F 9448A	GPH-110GF	SJ3550	3748 3792LM	Hi-Strength 90	740 UV 760	PR100 SiGel	DP8805 DP8405 DP8407	
	PMMA, PC transparent		467MP 9773WL	GPT-020F	4910F	SJ3560 SJ4570	3792LM	-	-	PR100 SiGel	DP100 Plus	
	PS foamed (EPS)		-	-	-	-	3792LM	Super 77™	740 UV 760	-	-	
	LSE plastics		9472LE	93020LE GPT-020F 9448A	LSE-110WF	primer* + SJ3550	3748	Hi-Strength 90	-	AC77 + PR100/SiGel	DP8005	
	Coated / Painted plastics		9472LE	93020LE GPT-020F 9448A	LSE-110WF	primer* + SJ3550	3748	Hi-Strength 90	740 UV 760	PR100 SiGel	DP8005	
Paper	Paper / Cardboard	Billboards, POS displays	ATG 904 9605	GPT-020F 9448A	-	-	3762	Super 77™	740 UV 760	-	-	
	Coated paper / Cardboard		ATG 969 950	GPT-020F 9448A	LSE-110WF	SJ4570	3792LM	Hi-Strength 90	740 UV	-	-	
Wood	Plywood Chipboard Laminated wood: HPL / Melamin	Directional signs, POS displays	9773WL	primer* + GPT-020F 9448A	primer* + GPH-110GF	primer* + SJ3550	3762	1000NF 1300L	740 UV 760	SiGel	DP8805 DP8405	
Reclosable / Removable solutions		Information signs, Posters, POS displays	-	ATG 928 9425HT	-	SJ3550 SJ3560 SJ3870 SJ4570	-	Fastbond™ Insulation 49 Spray 75	-	-	-	

Considerations when selecting 3M™ Adhesives and Tapes for your product and process.



Assembly

What type of assembly is required? (Refer to 7 common assembly types in the right hand column.)

What are the overall performance needs of the assembly (flexibility, high peel strength, etc.)?



Substrate

What materials are being bonded together? Consider the surface condition texture of each material.



Process

What is the current assembly and manufacturing process? Does the solution need to fit into the current process/equipment or can the process/equipment change? What are the various process steps and how quickly will the assembly be moved to each step?

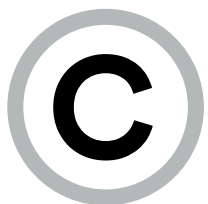
At any time, might the assembly bond need to be repositioned? If so, why and when? Are there any environmental, regulatory or workplace safety restrictions?



End-Use

How and where is the final product used?

Will the assembly be exposed to harsh environmental conditions (UV, chemicals, high humidity, very high or low temperatures, etc.)?



Cost

Where can improvements be made in the assembly process (labour, reduction of process steps, materials, workflow, etc.)?

Assembly Solutions are made up of these common applications:



Panel to Frame/
Stiffener to Panel



Small Joint Assembly



Large Surface
Lamination



Mounting and
Trim Attachment



Gasket Attachment



Sealing



Potting and
Encapsulating

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Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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