

Performance characteristics you can count on.

3M structural adhesive products offer industry-leading selection and the largest levels of consistent, reliable performance to satisfy a host of essential characteristics in battery bonding applications.

Application	Possible 3M Solutions	Features & Benefits
Battery Assembly		
Cell to cell (prismatic)	DP6310NS/DP6330NS	<ul style="list-style-type: none"> • High strength bonds • Excellent water, humidity and chemical resistance • Room temperature or accelerated heat cure • Excellent elongation & stress strain properties • Non-sag option • Bulk options for automated dispense
Module to module	DP125	<ul style="list-style-type: none"> • High strength bonds under expansion, contraction and limited movement • Flexible bond for vibration and shock resistance • Excellent water, humidity and chemical resistance • Bulk options for automated dispense
Battery Box Assembly		
Side plate and cover attachment	DP6310NS/DP6330NS	<ul style="list-style-type: none"> • High strength bonds • Excellent water, humidity and chemical resistance • Room temperature or accelerated heat cure • Excellent elongation & stress strain properties • Non-sag option • Bulk options for automated dispense
	DP8010/DP8010NS	<ul style="list-style-type: none"> • Limited surface prep • Low surface energy bonding • Resists many chemicals, water, humidity and corrosion • Non-sag option • Bulk options for automated dispense
	TS230	<ul style="list-style-type: none"> • Fast set time • High strength bonds that are plasticizer resistant • Bulk options for automated dispense
Battery cover trim assembly	TS230	<ul style="list-style-type: none"> • Fast set time • High strength bonds that are plasticizer resistant • Bulk options for automated dispense
	DP8010/DP8010NS	<ul style="list-style-type: none"> • Limited surface prep • Low surface energy bonding • Resists many chemicals, water, humidity and corrosion • Non-sag option • Bulk options for automated dispense
Stiffener and tension rod bonding	DP125	<ul style="list-style-type: none"> • High strength bonds under expansion, contraction and limited movement • Flexible bond for vibration and shock resistance • Excellent water, humidity and chemical resistance • Bulk options for automated dispense

Application	Possible 3M Solutions	Features & Benefits
Stiffener and tension rod bonding	DP420/DP420NS/DP420LH	<ul style="list-style-type: none"> • Excellent environmental, vibration and shock resistance • High peel & shear strength for lasting bond in high and low temp • Room temperature or accelerated heat cure • Non-sag & low halogen options • Bulk options for automated dispense
	DP8407NS	<ul style="list-style-type: none"> • Limited surface preparation • Strong bonds with broad temperature range • Fast cure time • Bulk options for automated dispense
Cell to Frame Bonding		
Prismatic cells	DP420/DP420NS/DP420LH	<ul style="list-style-type: none"> • Excellent environmental, vibration and shock resistance • High peel & shear strength for lasting bond in high and low temp • Room temperature or accelerated heat cure • Non-sag & low halogen options • Bulk options for automated dispense
	DP125	<ul style="list-style-type: none"> • High strength bonds under expansion, contraction and limited movement • Flexible bond for vibration and shock resistance • Excellent water, humidity and chemical resistance • Bulk options for automated dispense
Cylindrical cells	DP125	<ul style="list-style-type: none"> • High strength bonds under expansion, contraction and limited movement • Flexible bond for vibration and shock resistance • Excellent water, humidity and chemical resistance • Bulk options for automated dispense
Thermal Management Systems		
Battery tray bonding	DP420/DP420NS/DP420LH	<ul style="list-style-type: none"> • Excellent environmental, vibration and shock resistance • High peel & shear strength for lasting bond in high and low temp • Room temperature or accelerated heat cure • Non-sag & low halogen options • Bulk options for automated dispense
	DP8407NS	<ul style="list-style-type: none"> • Limited surface preparation • Strong bonds with broad temperature range • Fast cure time • Bulk options for automated dispense
	DP8010/DP8010NS	<ul style="list-style-type: none"> • Limited surface prep • Low surface energy bonding • Resists many chemicals, water, humidity and corrosion • Non-sag option • Bulk options for automated dispense

Battery Bonding Product Selection, cont.

Product Name	Product #	Color	Approx. Viscosity at 75° F	Approx. Mixed Work Life at 75°C	Size	UPC	Stock #
3M™ Scotch-Weld™ LSE Acrylic Adhesive	DP8010	Blue	20,000	10 mins	45 mL 490 mL 1 gal - Part A 5 gal - Part A 5 gal - Part B 55 gal - Part B	00-051115-71600-3 00-051115-71601-0 00-021200-49113-9 00-051115-71669-0 00-021200-49115-3 00-076308-14203-2	7100036717 7100036719 7100050479 7100036720 7000046400 7100153259
3M™ Scotch-Weld™ LSE Acrylic Adhesive	DP8010NS	Blue	65,000	10 mins	45 mL 490 mL 1 gal - Part A 5 gal - Part A 5 gal - Part B 55 gal - Part B	00-051115-81451-8 00-051115-81453-2 00-021200-49113-9 00-051115-81454-9 00-021200-49115-3 00-051115-81461-7	7100036721 7100036723 7100050479 7010329562 7000046400 7100113670
3M™ Scotch-Weld™ PUR Adhesive	TS230	Black	9,000	4 mins	1/10 gal 2 kilo 5 gal 55 gal	00-051115-25166-5 00-048011-53273-8 00-021200-89583-8 00-638060-14675-0	7000000906 7000046541 7000121361 7100179521
3M™ Scotch-Weld™ PUR Adhesive	TS230	Off-White	9,000	4 mins	1/10 gal 2 kilo 5 gal 55 gal	00-051115-25165-8 00-048011-53271-4 00-021200-83640-4 00-021200-83639-8	7000000898 7000046534 7100024959 7100104259

Science. The 3M Difference.

The 3M legacy in structural adhesives is built upon listening and problem-solving. Our bonding solutions can help provide greater design freedom, reduce parts and weight, enhance performance while reducing labor and material costs.

3M supports our customers with the testing, technology, and training needed to create better products. Our worldwide support staff has the experience you can rely on for everything from structural adhesive selection and process improvement to help with automation and dispensing.

These are just a few of the ways we connect our technology to your ideas. Science is what bonds us. Let us show you how 3M can help make your products better.



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