



GENERAL TRANSPORTATION AND MARINE

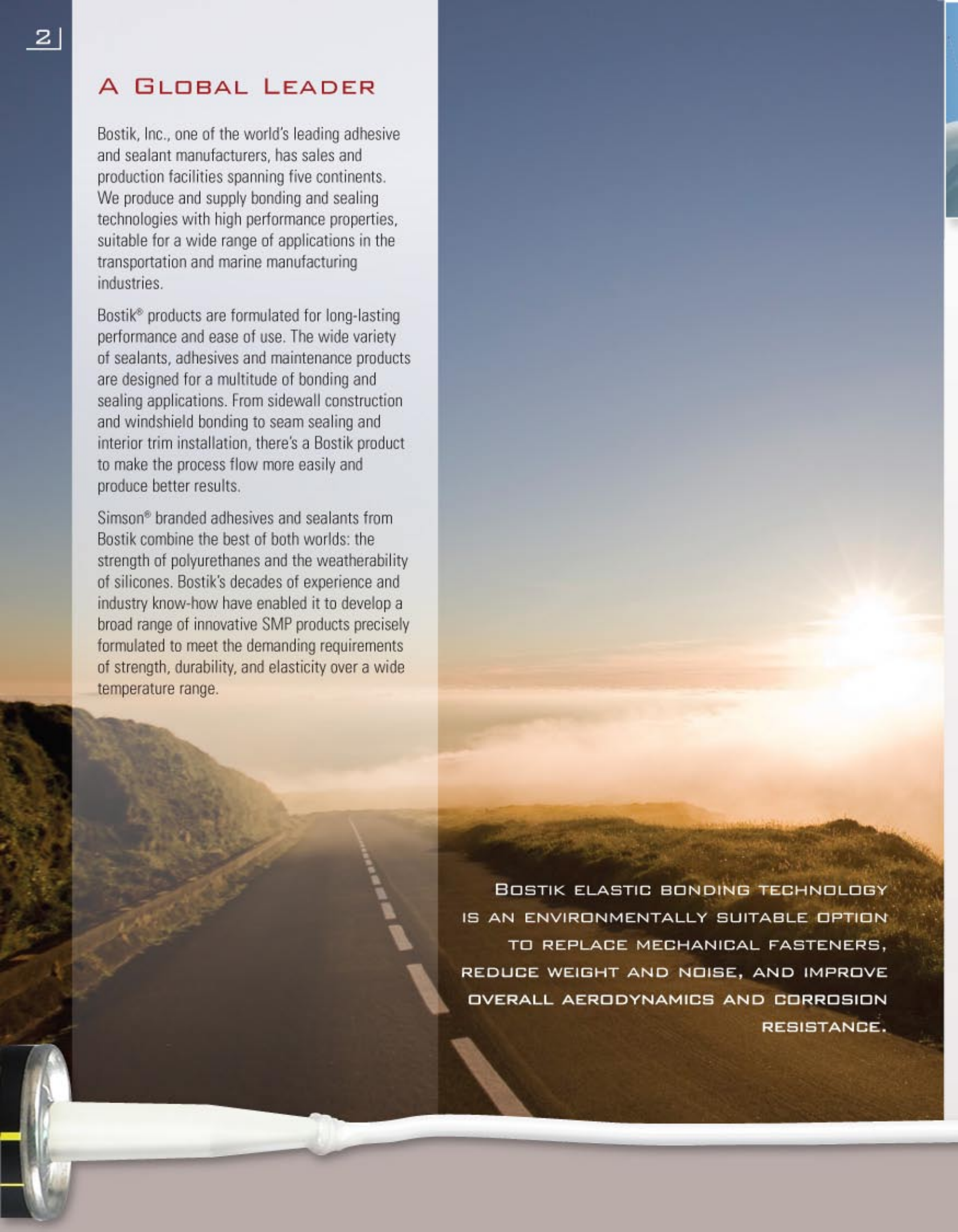
ELASTIC BONDING ADHESIVES AND SEALANTS

A GLOBAL LEADER

Bostik, Inc., one of the world's leading adhesive and sealant manufacturers, has sales and production facilities spanning five continents. We produce and supply bonding and sealing technologies with high performance properties, suitable for a wide range of applications in the transportation and marine manufacturing industries.

Bostik® products are formulated for long-lasting performance and ease of use. The wide variety of sealants, adhesives and maintenance products are designed for a multitude of bonding and sealing applications. From sidewall construction and windshield bonding to seam sealing and interior trim installation, there's a Bostik product to make the process flow more easily and produce better results.

Simson® branded adhesives and sealants from Bostik combine the best of both worlds: the strength of polyurethanes and the weatherability of silicones. Bostik's decades of experience and industry know-how have enabled it to develop a broad range of innovative SMP products precisely formulated to meet the demanding requirements of strength, durability, and elasticity over a wide temperature range.



BOSTIK ELASTIC BONDING TECHNOLOGY
IS AN ENVIRONMENTALLY SUITABLE OPTION
TO REPLACE MECHANICAL FASTENERS,
REDUCE WEIGHT AND NOISE, AND IMPROVE
OVERALL AERODYNAMICS AND CORROSION
RESISTANCE.



The broad line of Bostik products offer considerable advantages over conventional bonding and sealing technologies. Our high quality, innovative solutions are based on a variety of moisture curable polymer technologies that can meet the production and application requirements for cure rate, strength, durability and environmental compatibility.

Polyurethane (PU) one-part, moisture cure elastic bonding and sealing products deliver durability and flexibility under the most demanding conditions. They provide high strength bonds that resolve the challenges posed by dissimilar substrates, long-term exposure to weathering, temperature changes, and mechanical joint movement.

SPS (Silyl Polyurethane Sealant) Polymer technology creates highly innovative solvent-free and isocyanate-free sealing solutions that provide superior adhesion to porous and nonporous surfaces and outstanding non-yellowing (UV) resistance.

Silyl Modified Polymers (SMP) create highly innovative products that are solvent- and isocyanate-free yet simple to apply with minimal surface preparation required. SMP-based elastic bonding adhesives have broad application suitability, particularly bonding large surface areas that require high green strength. SMP adhesives offer the capability to bond directly to glass and ceramic frit without the added steps, expense, and exposures of pretreatment primers.



■■■ = Best (most desirable)
 ■■ = Very good (desirable)
 ■ = Good (desirable)


□ = Marginal
 □□ = Poor
 □□□ = Very poor (undesirable)

TECHNOLOGY MATRIX CHART	SMP	SPS	PU (WITH MDI)	RTV SILICONE	SOLV. ELASTOMER
	■■■	■	□	■	■■■
	■■■	■■	□	□	□□□
	■■■	■■■	■	■■■	□□□
	■■■	■■■	■■	■■■	□□□
	■■■	■■■	□□	■■■	□
	■■■	■■	■■	■■	no cure
	■■■	■■	■■	□□	□
	■■■	■■	□□	■■■	□□ (sb rubber)
	■■	■■	■■■	□□□	□□
	■■	■	■	■■■	□□□
	□	□	□	■	□□□
	■■	■■	■	□□□	■■
	■■■	■■■	■■■	□□□	■■■
	■■■	■■■	■■■	□□□	□

BOSTIK ADHESIVES AND SEALANTS

TRANSPORTATION: BONDING APPLICATIONS

Bostik adhesives meet manufacturers' demands for elasticity, torsional stiffness, temperature resistance, and adhesion to dissimilar materials (including wood, metals, plastics and composites), often without secondary fastening or clamping required. Some of these products offer excellent UV resistance. Most will not shrink, chalk, or crack over time. Typically surface pretreatment is not required, which translates to a reduction in production time, costs, and environmental/VOC concerns. Bostik adhesives are easy to use, easy to sand and paint, non-gassing products that stand up to the harshest environments.



Using pneumatic applicator with "v" cut nozzle, 70-05A is applied to bond side panel





Robot-applied 70-08A to windshield for bonding



Roof panel bonding with 70-03A SK (Dual SMP Technology)



PVC floor bonding with 70-07A



FRP side panel assembly with 70-05A

EXTERIOR

Bostik adhesive systems are engineered for strength and durability, improving process time and styling aesthetics—all critical requirements in state-of-the-art vehicle design and assembly. Formulated for body panel construction, sidewall assembly, roof bow construction, windshield and side glass installation, luggage compartment and door assembly, plus many other applications, these high performance products meet manufacturers' demands for elasticity, torsional stiffness, temperature resistance and adhesion to dissimilar materials (including plastics and composites), with minimal surface preparation and often without secondary fastening or clamping required.


INTERIOR

Interior assembly demands time saving solutions that produce smooth, even surfaces. Fast-curing Bostik adhesives reduce production costs and are environmentally compatible. They are ideal for floor bonding, interior sidewall construction, end molding trim bonding and many other applications where ease of use is required.

	1100 FS	1152 FS	70-03A	70-03A SK	70-05A	70-07A	70-08A	70-09	70-11	70-12
EXTERIOR	Roof bow assembly	■ ■	■ ■ ■	■	■ ■ ■	■	—	■	■	■
	Sidewall construction	■	■ ■ ■	■ ■ ■	■ ■ ■	■ ■ ■	—	■ ■	■ ■ ■	■
	Body panels assembly	■	■ ■ ■	■ ■ ■	■ ■ ■	■ ■ ■	—	■ ■	■ ■ ■	■ ■
	Front/rear cap bonding	—	■ ■ ■	■	■	■ ■ ■	—	■ ■	■ ■	■ ■
	Glass/windshield direct glazing	—	—	—	—	—	■ ■ ■	■ ■ ■	■ ■	■ ■ ■
	Polycarbonate window bonding	—	—	■ ■ ■	■ ■ ■	■ ■	—	■	■	■
INTERIOR	Luggage compartment and door assembly	—	—	■ ■	■	■ ■ ■	—	■ ■ ■	■ ■ ■	■ ■ ■
	Roof construction	■ ■	■ ■ ■	■ ■ ■	■ ■ ■	■ ■ ■	—	■	■	■
	Panel construction	■ ■	■ ■ ■	■ ■ ■	■ ■ ■	■ ■ ■	—	■	■	■
	Platform (floor/subfloor construction)	■	■ ■ ■	—	■	■ ■	—	■	■ ■ ■	■
	Floor covering (including PVC)	—	—	—	■ ■	—	■ ■ ■	—	—	—
	Molding & trim bonding	■ ■ ■	■ ■	■ ■ ■	■ ■ ■	■ ■ ■	—	—	—	—

TRANSPORTATION: SEALING APPLICATIONS

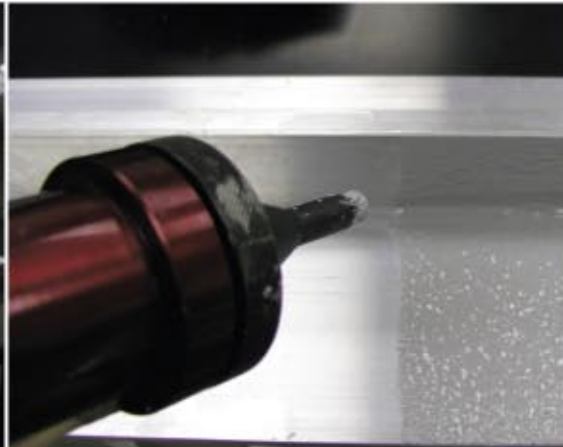
Bostik sealants form a very durable, elastomeric waterproof seal, as well as bonding strength. Some of these products offer excellent UV resistance and will not shrink, chalk, or crack over time. In most cases, surface pretreatment is not required; this translates to a reduction in production time, costs, and environmental/VOC concerns. Bostik adhesives and sealants are easy to use, easy to sand and paint, non-gassing products that stand up to the harshest environments.



Rear cap of train sealed with 2200 TS



Backfilling and sealing train passenger window with 2100 SPS



Sprayable seam sealer, 70-07A



Roof sealing trailer with LoVOC

EXTERIOR

Bostik has a complete range of high performance sealants formulated for ease of use and long lasting performance. Designed for a multitude of sealing applications, these products are engineered to provide outstanding adhesion to all types of materials of fabrication (metals, plastics and glass). From perimeter sealing and roof penetrations to sidewall, lap or butt seams, Bostik has the sealant for trains, buses, truck bodies and trailers, recreational and special purpose vehicles.

INTERIOR

Smooth, clean lines can be achieved with Bostik sealants to sustain the styling aesthetics of vehicle interiors. Some of these products feature low odor, non-sag properties, and will not shrink or yellow over time. They can be used in critical applications such as weatherproofing interior sidewall penetrations or for gap filling and seam sealing. They provide superior adhesion to both porous and nonporous surfaces in a wide range of application temperatures.

For a detailed application diagram, see page 14.



		LoVOC	1100 FS	1152 FS	2100 SPS	2200 TS	70-03A	70-03A SK	70-05A	70-07A
EXTERIOR	Frame/crevice weldline sealing	■■■	■■	■	■■■	■■■	■■■	■■■	■■■	■■
	Sprayable seam sealer	—	—	—	—	—	—	—	—	■■■
	Panel sealing	■■	■	■	■■■	■■■	■	■	■■	■
	Roof sealing	■■	■■■	■■■	■■■	■■■	■	■	■■	■
	Non-yellowing high expansion joint (roofing)	—	—	—	■■■	■■	■■■	■■■	■■	—
	Window/windshield gap backfilling	■	—	—	■■	■■■	■■■	■■■	■■■	—
INTERIOR	Floor/ceiling seams	■■■	■■■	—	■■■	■■■	■■	■■	■■■	■
	Side and trim panels	■■■	■■■	■■	■■■	■■■	■■	■■	■■■	—
	Frame/crevice sealing	■■■	■■■	—	■■■	■■■	■■	■■	■■	■■
	Sprayable seam sealer	—	—	—	—	—	—	—	—	■■■
	Engine firewall	■■■	■■	—	■■	■■	■■	■■	■	■

MARINE: BONDING APPLICATIONS

To ensure the seaworthiness of any vessel, Bostik offers a variety of elastic bonding adhesive systems that provide exceptional weather and water-resistant properties. The range of marine products has been engineered for high performance elastic bonding of marine substrates; plywood, aluminum, fiberglass or other composite materials used in building marine vessels. These products can be used for permanent bonding or for service and repair.



Deck bonding using 940 FSA

Bostik
The Adhesive Company



Bostik

01
VEOLIA
oceans



70-08A used for bonding windshields



940 FSA used for porthole and hatch installation



Deck-to-hull bonding with 940 FSA

BONDING

To ensure the seaworthiness of any vessel, Bostik offers a variety of elastic bonding adhesive/sealant systems that provide exceptional weather and water-resistant properties. The range of marine products has been engineered for high performance elastic bonding and sealing of marine substrates; plywood, aluminum, fiberglass or other composite materials used in building marine vessels.



For a detailed application diagram, see page 16.



	920	920 FS	940A	940 FSA	960 SR	965 FS	70-08A	70-12
Above-deck assembly	■	■	■■■	■■■	■■	■■	—	—
Below-deck assembly	■	■	■■■	■■■	—	■■	—	—
Timber bonding	■■■	■■■	■	■	—	■	■■	■■
Anti-slip decks and plates	—	—	■■	■■	—	■	■■■	■■■
Flybridge/radar arch	—	—	■■■	■■■	■	■	—	—
Deck-to-hull assembly	■	■	■■■	■■■	—	■	■■	■■
Keel to hull joints	—	—	■■	■■	—	■	■■■	■■■
Deck panel bonding	—	—	■■	■■	—	■	■■■	■■■
Interior panel/partitions	■	■	■■■	■■■	—	■	■■	■■
Windshield/glass glazing	—	—	■	■	—	—	■■■	■■■
Polycarbonate window bonding	—	—	■■■	■■■	—	—	■	■

MARINE: SEALING APPLICATIONS

Bostik marine sealants form a very durable, elastomeric waterproof seal for applications above and below the waterline. Some of these products offer excellent UV resistance and will not shrink, chalk, or crack over time. In most cases, surface pretreatment is not required. This translates to a reduction in production time, costs, and environmental/VOC concerns. Bostik marine sealants are easy to use, easy to sand and paint, non-gassing products that stand up to the harshest marine environments. Used for permanent sealing or for service and repair, their applications include sealing deck hardware and hatches, around doors and portholes, deck-to-hull assembly, thru-hull fittings and seams, keel joints and undermoldings, or bedding navigational equipment.



Instrument panel sealing with 960 SR





965 FS used for thru-hull below-deck applications



940 FSA can be used as a sealant adhesive to secure pulpit to bow prior to mechanical fastening



Arch-to-deck joint sealed using 960 SR

SEALING

Bostik Marine sealants form a very durable, elastomeric waterproof seal for applications above and below the waterline. Some of these products offer excellent UV resistance and will not shrink, chalk or crack over time.* In most cases, surface pretreatment is not required; this translates to a reduction in production time and costs.

All Bostik Marine sealants are easy to use, easy to sand and paint, non-gassing products that stand up to the harshest marine environments. Used for permanent sealing or for service and repair, their applications include sealing deck hardware and hatches, around doors and portholes, deck-to-hull assembly, thru-hull fittings and seams, keel joints and undermoldings, or bedding navigational equipment.

* 920/920 FS are aromatic sealants and will yellow with continued UV exposure. Limit use above-deck.



		920	920 FS	940A	940 FSA	960 SR	965 FS	70-08A	70-12
SEALING	Deck cleat/rub rails	—	—	■■■	■■■	■	■	—	—
	Deck hatches	—	—	■■	■■	■■■	■■■	■	■
	Porthole Frames/Doors	—	—	■■■	■■■	■	■	—	—
	Thru-hull fittings (above-deck)	■	■	■■■	■■■	■	■■	—	—
	Thru-hull fittings (below-deck)	■	■	■■■	■■■	—	■■	■■■	■■■
	Hull seams and bilges	■	■	■■■	■■■	■■	■■	■■■	■■■
	Keel joints/undermoldings	—	—	■■	■■	—	■■	■■■	■■■
	Navigational equipment/lighting	—	—	■■■	■■■	■■	■■	■	■
	Struts and planking	■■■	■■■	—	—	■■■	■■■	■■■	■■■
	Stern joints/trunk joints	—	—	■■	■■	—	■■	■■■	■■■
Flybridge/radar arch		—	—	■■	■■	■■■	■■■	—	—

TYPICAL PHYSICAL PROPERTIES

	POLYMER BASE	CURING METHOD	SKIN FORMING TIME (MINS)	COMPLETE CURE (.125" BEAD)	TENSILE STRENGTH (PSI)	SHEAR STRENGTH (PSI)	ELONGATION % @ BREAK	
Test Method:			BTM	BTM	ASTM D412 DIN53504/ISO37	ASTM D1002 DIN53283	ASTM D412 DIN53504/ISO37	
TRANSPORTATION	LoVOC	Urethane	Moisture	45	24 hours	125	90	300
	1100 FS	Urethane	Moisture	60	1.5-3 days	150	165	870
	Liquid Rivet 1152 FS	Urethane	Moisture	30-45	24 hours	250	300	200
	2100 SPS	SPS	Moisture	50	24 hours	175	75	>400
	2200 TS	SPS	Moisture	30-40	24 hours	250	230	200
	70-03A	SMP	Moisture	10-15	24 hours	400	250	270
	70-03A SK	SMP	Moisture	25	24-36 hours	400	250	270
	70-05A	SMP	Moisture	15	24 hours	500	440	200
	70-07A	SMP	Moisture	30	24-36 hours	225	150	175
	70-08A	SMP	Moisture	10-15	24 hours	425	375	225
	70-09	SMP	Moisture	10-15	24 hours	425	310	200
	70-11	SMP	Moisture	30-45	24-36 hours	335	365	450
	70-12	SMP	Moisture	10-15	24 hours	580	400	380
	B-Component	Proprietary	n/a	n/a	n/a	n/a	n/a	n/a
	Prep M	Solvent-based	n/a	n/a	n/a	n/a	n/a	n/a
	Prep G	Solvent-based	n/a	n/a	<30 mins	n/a	n/a	n/a
MARINE	920	Urethane	Moisture	90	3-6 days	175	65	>500
	920 FS	Urethane	Moisture	70	1.5-3 days	175	65	>500
	940A	SMP	Moisture	35-55	1-2 days	300	250	225
	940 FSA	SMP	Moisture	15-30	24 hours	450	375	225
	960 SR	SPS	Moisture	25	24 hours	150	125	225
	965 FS	SPS	Moisture	30	24 hours	255	215	200
	70-08A	SMP	Moisture	10-15	24 hours	425	375	225
	70-11	SMP	Moisture	30-45	24-36 hours	335	365	450
	70-12	SMP	Moisture	10-15	24 hours	580	400	380

KEY CODE FOR COLORS:

A = arctic white
N = nickelB = black
P = pearlC = clear
W = white
P = pailG = grey
Z = zephyr
D = drum

L = aluminum

B = bottle

BTM= Bostik Test Method

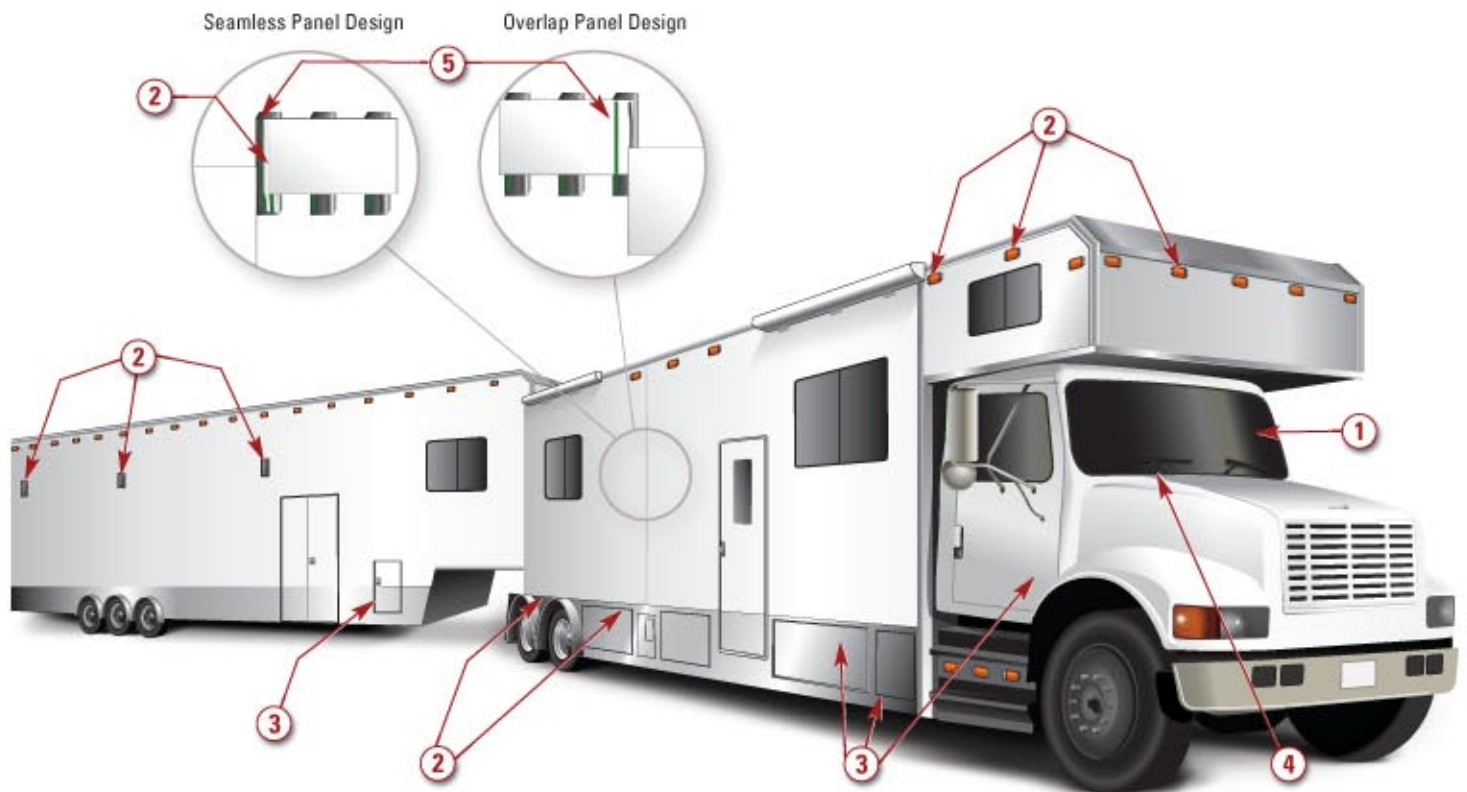
KEY CODE FOR PACKAGING:

C = cartridge
T = squeezable 3 oz. tube

S = sausage

SHORE A HARDNESS	VOC CONTENT (g/L)	UV RESISTANCE	COLORS (STANDARD)	PACKAGING	COMMENTS
D2240	ASTM D2369	ASTM G153			<i>All listed Bostik products meet or exceed all Federal, State, and local VOC standards for VOC content, including EPA, CARB, AQMD and OTC.</i>
35	51	Good	W, G, B	C, S, P, D	Minimal shrink on cure; ideal for gap filling and seam sealing
37	48	Fair	W, G, B	C, S, P, D	Outstanding non-sag properties; use when large beads of sealant are needed with quick curing properties; can be used as an adhesive for small loads
55	36	Fair	W	C, S	Very high green strength and initial tack; improves vibration attenuation and sound dampening
30	<30	Excellent	W, B	C, S	Superior adhesion to porous and non-porous surfaces; non-yellowing; ideal for aesthetically critical sealing applications
55	<30	Excellent	W, B	C, S	Ideal exterior seam sealant; non-yellowing, paintable, no in-gas on cure
55	<30	Excellent	W, G, B	C, S, P, D	Suitable for making elastic constructive joints which also require high strength
55	<30	Excellent	W, G, B	S, P, D	Slower skin forming version of 70-03A
60	<30	Excellent	W, G, B	C, S, P, D	Higher tensile strength than 70-03A; suitable for making elastic constructive joints
45	<30	Excellent	G	C	Low viscosity, sprayable sealant ideal for sealing overlapping seams, welded seams and construction seams
65	<30	Excellent	B	C, S, P, D	Developed for bonding windshields; high green strength; FMVSS212 approved, 1-hour drive-away time
65	<30	Excellent	W	C, S	High green strength and initial tack; ideal for expediting assembly process
60	<30	Excellent	B	S	Longer open time/skin time version of 70-08A
65	<30	Excellent	B	C, S	Highest green strength; FMVSS212 approved; 15 minute drive-away time
n/a	n/a	n/a	W	S	Curing booster for use with 70-03A, 70-03A SKF, 70-05A, 70-08A, 70-11
n/a	>650	n/a	T	B	Wash primer for improved adhesion on non-porous substrates like metals
n/a	>750	Excellent	B	B	Black primer for uncoated glass provides UV protection before applying adhesive
37	47	fair	W, B	C, S	Adhesive/sealant with excellent tear and abrasion resistance
37	47	fair	W, B	C, S	Fast-curing adhesive/sealant forms tough, resilient seal
+55	<30	excellent	W, B	S	Slower cure version of 940 FSA; no in-gas on cure
55	<30	excellent	W, B	C, T, S	Fast-skinning, non-yellowing; can be painted or sanded; adheres in most applications without the use of primer
35	<30	excellent	A, P, Z, N, Pr	C, S	Won't yellow, chalk or crack; sandable/paintable; for above-deck applications
55	<30	excellent	W, G, B	C, S	Fast-skinning, non-yellowing sealant suitable for above- and below-deck applications
65	<30	excellent	B	C, S	High green strength, fast-curing; use to direct bond glass, PMMA and PC
60	<30	excellent	B	S	Longer open time/skin time version of 70-08A
65	<30	excellent	B	C, S	Highest green strength; used to direct bond glass, PMMA and PC

* Primerless denotes that product does not require any primer for the indicated application or substrate. However, considering the diversity of substrates, manufacturers, coatings, and surface cleanliness it is recommended to test any Bostik SMP product for adhesion prior to using them in your manufacturing facility. NOTE FOR GLASS BONDING: 70-08A does not require a primer for direct glass (glazing) bonding. Fritted Glass: check adhesion of 70-08A to factory applied frit. Some types of frit may require pretreatment with MSR Primer G. Non-fritted glass: MSR Primer G required for direct UV exposure. If bond area is shielded, MSR Primer G is not required. 70-08A does not usually require any primer.



TRUCK/TRAILER ASSEMBLY

RV/MOTORCOACH ASSEMBLY





Seam sealing using 2100 SPS



LoVOC Seal used for weldline and crevice sealing bus frame

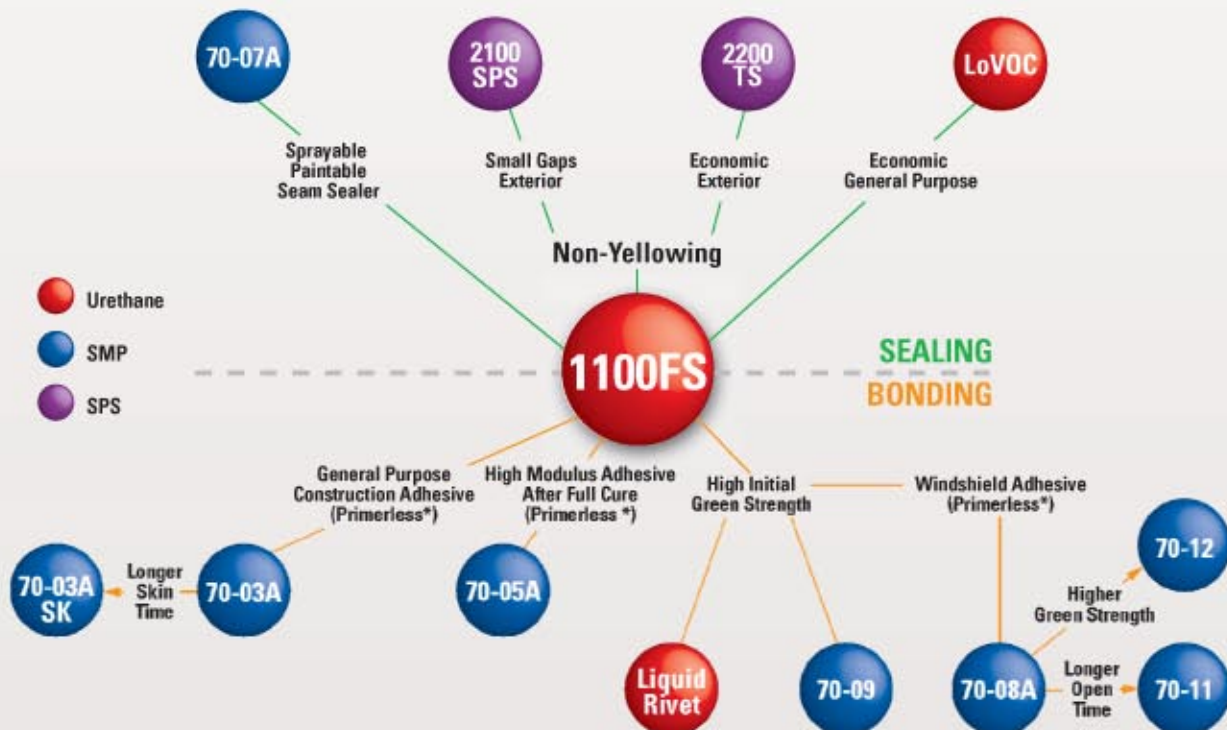


Bus shell assembly using a combination of Bostik polyurethane and SMP products

SEALANTS AND ADHESIVES APPLICATIONS

- ① **Windshield Adhesive:**
70-08A, 70-11, 70-12
- ② **Exterior Sealant:**
Body Penetrations, Windows, Panels
1100 FS, 2100 SPS, 2200 TS, LoVOC
- ③ **Glass and Luggage Door Adhesive:**
70-05A, 70-11
- ④ **Firewall:**
Engine Compartment
1100 FS, LoVOC
- ⑤ **Panel Assembly Adhesive:**
1152 FS, 70-03A, 70-05A, 70-11
- ⑥ **Roof Sealant:**
1100 FS, 1152 FS, LoVOC, 70-03A

PRODUCT RANGE EVOLUTION





SEALANTS AND ADHESIVES APPLICATIONS

① *Window Adhesive:*

Windshield, Side Windows, Deck Windows
70-08A, 70-11, 70-12

② *Hardware Adhesive:*

Cleats, Rub Rails, Grip Bars, Rail Bases
940A, 940 FSA

③ *Electronic Equipment Sealant:*

Antennae, Hailer
920, 920 FS, 960 SR, 965 FS

④ *Construction Adhesive:*

Deck-to-Hull, Flybridge to Deck, Arch to Flybridge,
Transom Platform, Underwater Gear Adhesive
940A, 940 FSA, 70-08A

⑤ *Window Backfill:*

Windshield, Side Windows, Deck Windows
960 SR, 965 FS

⑥ *Underwater Gear Sealant:*

Struts, Water Intake Strainer, Thru-hulls, Rudder Ports
920, 920 FS, 940A, 940 FSA, 965 FS



Bostik Marine 920 and 920 FS are suitable for interior sealing and low-stress, assisted bonding, as well as above- and below-waterline applications.



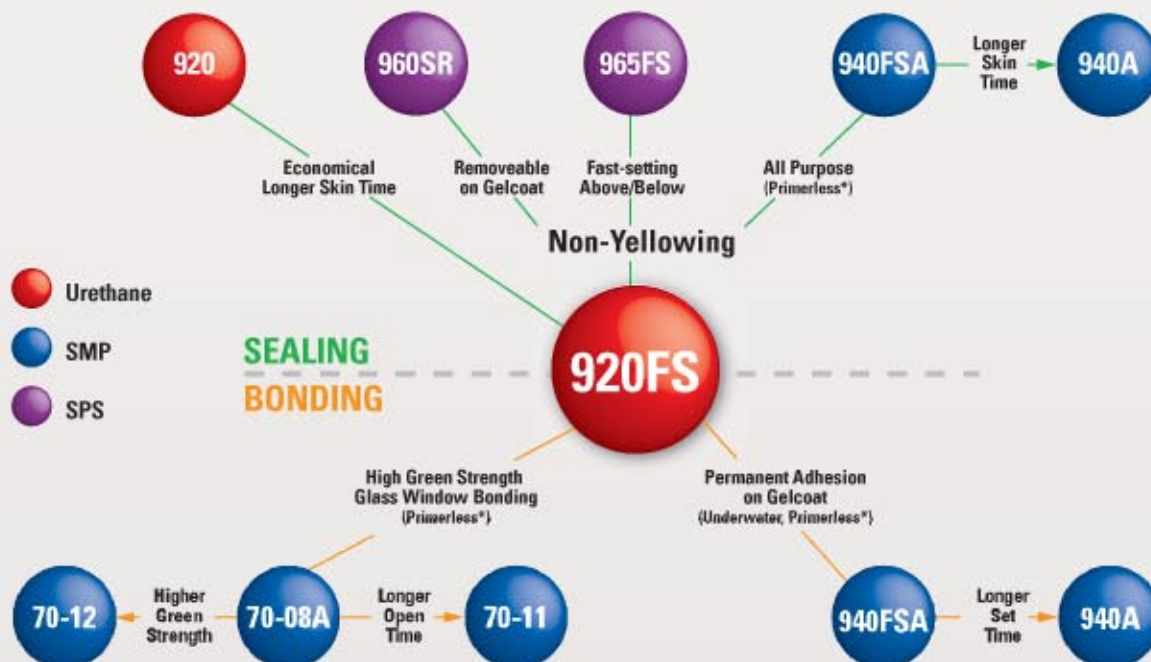


The Bostik Marine adhesive and sealant product line offers products varying in strength, flexibility, UV resistance, and skin/open time.

Bostik has an adhesive or sealant for a wide variety of marine applications. In many of these applications, you can choose from a few different products, with options offering good/better/best properties.

- Above-deck assembly
- Below-deck assembly
- Windshield/glass glazing and planking
- Deck-to-hull
- Thru-hull fittings
- Temporary bonding (service and repair)

PRODUCT RANGE EVOLUTION



MARINE APPLICATIONS DIAGRAM

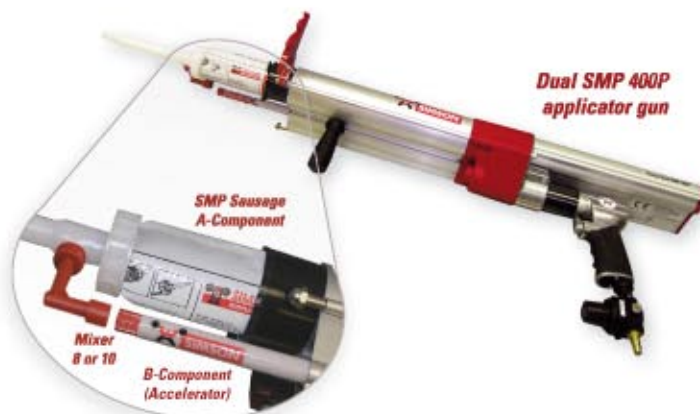


DUAL SMP TECHNOLOGY: ACCELERATED ELASTIC BONDING AND SEALING

The Dual SMP System brings Bostik's SMP Technology to the next level by providing speed and security. This is done by adding a small amount of a waterbased B-Component that catalyzes the adhesive bead to cure throughout at the same rate. Cure progression of the one-component products, by contrast, is from the "outside-in" (see photo, bottom center).

The handheld Dual SMP 400P Gun is designed to deliver the adhesive and the B-Component at the proper ratio. It uses a unique static mixer to meter and mix the adhesive and B-Component together that is then dispensed to achieve a bead of adhesive that will cure "through" in hours, not days.

Similarly, the two-component *Precision Dose Applicator Pump* system is designed to handle 5 gallon or 55 gallon containers of adhesive for higher output applications.



Dual SMP 400P kit includes handgun, two static mixers and instructions



Guaranteed Cure:

In dry and cold conditions above 32°F and for large beads (see chart below)

Assures the Cure:

Even if adhesive is never exposed to air or is encapsulated between two non-porous moisture barrier substrates

Quick Green Strength Buildup:

Approximately 100psi after 2 hours (see chart)

Versatile Technology:

Used with any one-part SMP: 70-03A, 70-03A SKF, 70-05A, or 70-08A

Easy to Use:

Pre-metered, pre-packaged components

Easy to Scale Up:

From 13.5 oz. (400 ml) sausage package (Dual) to 52 gallon (197 liter) drums (Precision Dose)

Speed Up Production:

When large panels are bonded; shorter drive-away time/shorter cycle time/station moves

After Complete Cure:

Still the same great ultimate one-part SMP performance
If you already use a one-part SMP, *no need to re-specify*

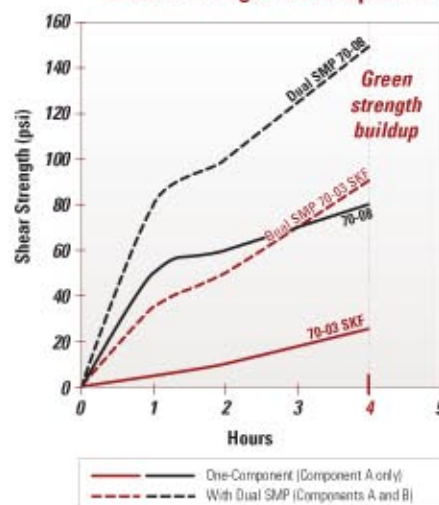
Precision Dose Applicator Pump



Bead Cross-Section



Green Strength Development





Fire Retardant Films

Bostik Film Adhesives are high-performance, solvent-free bonding products supplied in easy-to-use forms. Provided as pressure-sensitive or heat-activated adhesives supported on a peelable backing or as complex, dual coated films, our film adhesives are available in a variety of formulations including thermoplastic or thermoset polymers and synthetic or acrylic formulations.



Solvent-Based Adhesives

Bostik provides Solvent-Borne Adhesives (SBAs) based on our own core copolyester technology as well as formulations based on other high performance resins such as chloroprene and rubbers. Our polyester and polyurethane solutions offer high specific adhesion to substrates such as plastic films, metal foils, fabrics, foams, leather, paper, wood, and cellulose materials.



Web Adhesives

Bostik web adhesives are hot melt adhesives produced in nonwoven form which handle like a fabric, facilitating both intermittent and continuous processes. The web series are based upon high performance polyamide, polyester, polyolefin and urethane copolymers, and display superior adhesion to a wide variety of substrate materials including foam and fabrics, nonwovens, vinyl and plastic films. Bostik's web adhesives come in various basis weights ranging from 12 to 100g/y² and in widths from 1" to 75".



Foam-in-place Gasketing

Bostik's foam-in-place technology is used to help seal out air, dust and moisture, and to reduce noise and vibration. Our FIPG comes in a variety of material types, whether you need a very soft and highly tacky gasket, or a gasket that resists compression set and is not tacky. Foam-in-place gasketing is particularly useful as a replacement for pressure sensitive adhesive (PSA) coated foam tape.

OTHER BOSTIK TECHNOLOGIES

Bostik offers engineered solutions for bonding and acoustical needs to meet the ever-increasing performance and aesthetic requirements of today's automotive interiors and exteriors. Our range of products includes liquid, hot-melt and reactive adhesives, foam-in-place gaskets, webs, powders and film adhesives. This comprehensive group of adhesives is ideally suited for essentially all processes used in the manufacture of vehicles.

Our Elastisol range of metal bonding/body-in-white adhesives and sealants include products for anti-flutter, expandable and weld-thru applications for the body shop. This PVC-free technology is based on liquid rubber technology and contributes to increased performance, durability and corrosion resistance.

Bostik's copolyester, copolyamide, and APAO resins are converted into high performance hot melt adhesives in a variety of forms. They are formulated to meet many specific requirements including bond strength, heat resistance, plasticizer resistance, and adhesion to unprimed polypropylene and polyethylene. Our hot melts are widely used in automotive applications such as bonding plastic components to headliner composites, bonding foam and shoddy pad insulators to interior trim pieces, carpet bonding, and edge wrapping various textiles to plastic or composite panels.

Weather strip and water shield adhesives and sealants need to be easy-to-install, environmentally friendly, and above all, work effectively in these demanding applications. Bostik offers adhesives and sealants in various chemistries that meet these needs. Bostik also has years of experience with these applications that have yielded numerous OEM approvals from major auto manufacturers.

Never-Seez® from Bostik is the recognized brand leader in anti-seize compounds and lubricants. Never-Seez offers the broadest range of products formulated to protect metal parts from rust, corrosion, galling, excessive wear and seizure in high heat, extreme pressure, high moisture, salt water or caustic environments. Never-Seez is widely specified and recommended for assembly and maintenance in aircraft, marine, automotive, petrochemical, oil exploration, power generation, agriculture, logging, mining and food processing industries.

Elastosols



Hot Melts



**Weather stripping /
Water shields**



Never-Seez





AMERICAS

Bostik, Inc.
211 Boston Street
Middleton, Massachusetts 01949
United States
Phone: +978-777-0100
www.bostik-us.com

Bostik, Inc.
Troy Automotive Center
360 E. Maple Road, Suite W
Troy, Michigan 48083
United States
Phone: +248-524-0015
www.bostik-us.com

Bostik Canada Ltd.
4565 Metropolitan Blvd. East
Montreal, Quebec
Canada H1R 1Z4
Phone: +519-746-1995
www.bostik-us.com

Bostik Brasil Adesivos Ltda.
Rodovia Anhanguera Km 15 - Modulo 39
Pirituba - São Paulo
Brazil 05112-000
Phone: +55-11-3622-1977
www.bostik-us.com

Bostik Mexicana, S.A. de C.V.
Esfuerzo Nacional No. 2
Fraccionamiento Alce Blanco
Naucalpan de Juarez, Edo. de Mexico
C.P. 53370
Phone: +52-55-2122-7250
www.bostik-us.com

ASIA PACIFIC

Bostik Australia Pty, Ltd.
51-71 High Street (PO Box 50)
Thomastown, VIC 3074, Australia
Phone: +61-3-9279-9333
www.bostik.com.au

Bostik China Co., Ltd. Shanghai Branch Company
Room 1507-1509, No.2, Lane 58,
Xin Jian East Road, Xin Zhuang,
Shanghai, China 201100
Phone +86-21-6413-9387
www.bostik.com.cn

Bostik India Private Limited
124/1 & 124/2A, Kachanayakanahalli
Off Hosur Road, Anekal Taluk,
Hennagara Post, Bangalore - 562 106, India
Phone: +91-80-278-33520
www.bostik.com

Bostik Findley (Malaysia) Sdn. Bhd.
Lot 112 & 113, Kawasan Perindustrian Senawang
70450 Seremban, Negeri Sembilan D.K. Malaysia
Phone: +606-678-9788
www.bostik.com.au

Bostik New Zealand, Ltd.
19 Eastern Hutt Road, Wingate
Lower Hutt, PO Box 35-093 Naenae, New Zealand
Phone: +64-4-567-5119
www.bostik.co.nz

Bostik Singapore Pte, Ltd.
10 Toh Guan Road #09-03
TT International Tradepark, Singapore 608838
Phone: +65-6863-4088
www.bostik.com.sg

EUROPE

Bostik, Ltd.
Common Road
Stafford, ST16 3EH
England
Phone: +44(0)1785-272727
www.bostik.co.uk

Bostik S.A.
La Défense 6
16-32, rue Henri Regnault
92902 Paris La Défense Cedex
France
Phone: +33(0)174-96-9118
www.bostik.com

Bostik GmbH
An der Bundesstr. 16
D-33829 Borgholzhausen
Germany
Phone: +49(0)5425-801-0
www.bostik.de

Bostik BV
De Voerman 8
P.O. Box 303
5201 AH 's-Hertogenbosch
The Netherlands
Phone: +31(0)736244-244
www.bostik.nl

IMPORTANT NOTICE: All statements, technical information and recommendations set forth herein are based on tests which Bostik believes to be reliable. However, Bostik does not guarantee their accuracy or completeness. The buyer should conduct its own tests of this product before use to determine proper preparation technique and suitability for proposed application. Any sales of this product shall be on terms and conditions set forth on Bostik's order acknowledgement. Bostik warrants that the product conforms with Bostik written specifications, and is free from defects. BOSTIK DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S SOLE REMEDY FOR NONCOMPLIANCE WITH THIS WARRANTY SHALL BE FOR THE REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. IN NO CASE WILL BOSTIK BE LIABLE FOR DIRECT, CONSEQUENTIAL, ECONOMIC, OR OTHER DAMAGES.

The technical information supplied is typical physical property data and is not intended for specification use. Photography used in this brochure is representative of applications suitable for Bostik products and in no way represents an endorsement by any manufacturer.