

1,001
Applications

NEW
Advanced
MS Polymer
Technology

Powers is a proud member of:



PowerStick

Powers
FASTENERS

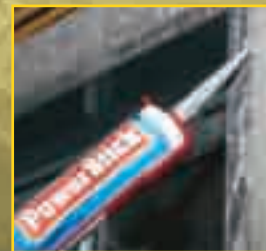
What Is PowerStick?

A Unique Engineered Polymer That Caulks, Bonds & Seals, All in One Step!

PowerStick™ is a new universal adhesive/sealant based on proprietary MS Polymer chemistry. Using the latest adhesive formulation technology, PowerStick™ is the first professional grade product on the market that delivers high bond strength AND superior flexibility! This unique formula does not shrink, can be applied on wet surfaces, is virtually odorless and has excellent UV resistance. PowerStick™ also features high aggressive initial tack, is non-reactive with the substrate and can be painted after curing. In Short, Powerstick™ can be used on virtually any substrate, indoors or outdoors and removes the guesswork by having one universal product solution for all applications.

PowerStick™ is non-hazardous, safe for the environment and does not require special shipping procedures. It does not contain solvents, isocyanates or other harmful components. Cleaning up is easy with just soap and warm water.

PowerStick™ consistently outperforms competitive products popular today, including latex-based adhesives, silicone sealants, polyurethanes, etc. It does what all these common products do and so much more all in one tube!



Caulks:

- Tubs
- Showers
- Tiles
- Floor Seams
- Sinks
- Molding
- Foundations
- Thresholds
- Sills
- Pipe
- Trim

Bonds:

- Masonry
- Concrete
- Wood
- Tile
- Glass
- Ceramic
- Canvas
- Fiberglass
- Foam Board
- Porcelain
- Brass
- Copper
- Aluminum
- Steel
- Marble
- Plywood
- Drywall

Seals:

- Gutters
- Ductwork
- Small Cracks
- Windows
- Doors
- Joints



What Makes It Better?



STRONG AND ELASTIC

PowerStick™ is extremely elastic, and can be used as a sealant. It meets the rigorous construction standards for elasticity. This means PowerStick™ is ideal for filling cracks and joints in all types of flooring materials, especially when those substrates will move independently of one another.

SAFE & SIMPLE

No solvents or other harmful components. PowerStick™ can be shipped without restriction and is environmentally friendly. It can be easily cleaned off prior to curing with warm water and soap.



INERT FORMULA

PowerStick™ will not interact with substrates, such as metal trim, the silver lining on mirrors or foam board insulation.

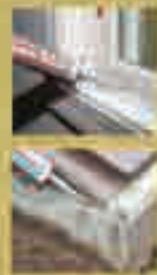


CONVENIENCE

PowerStick™ works on virtually every base material and can directly replace many other adhesive products. This reduces the need to carry similar inventories and simplifies decisions. The standard 10oz tube is ideal for confined space applications and are extremely lightweight. Both delivery systems give a smooth, consistent bead without waste or messy overflow.

INDOOR AND OUTDOOR USES

PowerStick™ is NOT latex-based, which means it is not affected by water, moisture or mildew during application or in the long-term performance of this product. It is engineered using the most advanced polymer available in the market today. Rain and moisture will not diminish the capabilities of PowerStick, as it is highly recommended for outdoor use.



AGGRESSIVE INITIAL TACK

PowerStick™ has a superior initial tack, or "grab", which means you'll have a free hand to complete your project much quicker. You will not need additional bracing to stabilize your project until it is cured. Competitive products exhibit very low adhesion, limited substrates that they will adhere to, or no adhesion at whatsoever.

PAINTABLE

PowerStick™ accepts primer and paint, unlike silicone based sealants, making its use virtually invisible. PowerStick™ is also resistant to mold and mildew.



UV RESISTANCE

PowerStick's unique polymer formula provides protection from harmful UV rays, essential in exposed exterior applications.

1,001 Applications for Every Trade

Plumbing



• PVC Plumbing



• Toilets



• Shower Stalls



• Sinks

Maintenance / Building Owner

- Signage – High strength and great initial tack eliminates the need for nails, screws or other fasteners



• Outdoor Fixtures



• Control Panels

Carpentry / Flooring / Finishing



• Thresholds/Doorways



• Flooring/Tiling

Marine



• Windshields



• Portholes

Electrical



• Electrical Fixtures – Non-conductive formula is perfect for fixtures indoor and outdoor

Window / Door



• Window Trim



• Window Sills

Concrete / Masonry



• Concrete Floor Joints



• Cellar Hatchways

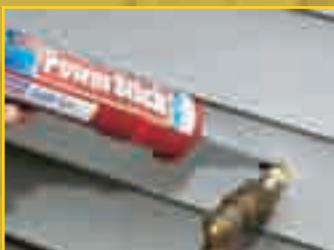


• Concrete



• Foundations

HVAC / Heating & Cooling



• Pipe



• Foam Insulation



• Air Conditioning



• HVAC Ductwork

PowerStick™ Ordering Information



8168  8166 

POWERSTICK™ CARTRIDGES					
CAT. NO.	SIZE	COLOR	DISPENSER	STD. BOX	STD. CTN
8166	10oz.	White	Caulk Gun	12	36
8168	10oz.	Gray	Caulk Gun	12	36



8437

8463

CAULKING GUNS				
CAT. NO.	DESCRIPTION	STD. BOX	STD. CTN	
8437	Manual Caulking Gun	1	1	
8463	High Performance Manual Tool	1	1	

Bond Strength

METALS		WOOD	
	PSI (MPa)		PSI (MPa)
Steel	127 (0.87)	Oak	131 (0.90)
Aluminum	109 (0.75)	Beech	134 (0.92)
Copper	144 (0.99)	Pine	125 (0.86)
Brass	81 (0.56)	Douglas Fir	125 (0.86)
Galvanized steel	116 (0.80)	Cedar	125 (0.86)

PLASTICS		CONCRETE	
	PSI (MPa)		PSI (MPa)
Epoxy (Typ.)	118 (0.81)	Concrete	128 (0.88)
Polystyrene	112 (0.77)		
Makrolon (PC)	128 (0.88)		
PVC	76 (0.52)		
PA6	123 (0.85)		
PMMA	95 (0.66)		
ABS	119 (0.82)		

MASONRY	
	PSI (MPa)
Brick	112 (0.77)
Hollow Block	112 (0.77)
Block	112 (0.77)



POWERSTICK™ POP DISPLAY	
CAT. NO.	49106
	Available at Authorized Powers Distributors

Look for our Point of Purchase Display



1 Product for ALL Applications

PowerStick™ vs. The Rest

	POWERSTICK™	POWER GRAB AND SIMILAR	LIQUID NAILS AND SIMILAR	LATEX SEALANTS	SILICONE SEALANTS	POLYURETHANE SEALANTS
Exterior	yes	no	no	yes	yes	yes
Interior	yes	yes	yes	yes	yes	no
Permanently Flexible	yes	no	no	yes	yes	yes
High Initial Tack	yes	yes	yes	no	no	no
No Bracing	yes	yes	yes	no	no	no
Waterproof	yes	no	yes	yes	yes	yes
Mildew Resistant	yes	no	no	yes	yes	yes
Paintable	yes	yes	yes	yes	no	yes
Superior Adhesion	yes	no	no	no	yes	yes
Superior UV Resistance	yes	no	no	yes	yes	no
Solvent Free	yes	yes	no	yes	yes	no
Abrasion Resistant	yes	no	no	no	no	yes
Wet Surfaces	yes	no	yes	yes	yes	no

PowerStick™ Technical Characteristics

Base	Proprietary MS Polymer	In-Service Temperature	-40°F to 194°F (-40°C to 90°C)
Curing System	Moisture Cure	Ideal Storage Temperature	41°F to 86°F (5°C to 30°C)
Full Cure / Bonding	Less than 24 hours (full cure of bonding layer of 0.0788 inch)	Density	0.94 oz./in ³ (1.62 g/ml)
Tack Free Time	15 Minutes	Hardness	50 + 5 Shore A
Skin Formation	5-7 Minutes	Elasticity Modulus (100%)	109 psi (0.75 MPa) per DIN 53504
Freeze / Thaw Stability	No impact on sealant by frost	Tear Strength	290 psi (2.0 MPa) per (DIN 53504)
Application Temperature	34°F to 95°F (1°C to 35°C)	Maximum Elongation	20%
		Yield	10 fl. oz. = 18.0 in ³

Shelf Life

14 months in unopened packaging in a cool and dry storage place at temperatures between 41°F and 86°F (5°C and 30°C). Short term storage temperature should not exceed 110°F (43°C).

Resistance to Chemical Agents

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis.
Some resistance to aromatic solvents, concentrated acids, chlorinated hydrogens.

For best results, PowerStick™ should be applied to surfaces that are clean and free of dust, dirt, grease, etc.

Application

Method: Caulking gun.

Application Temperature: 34°F to 95°F (1°C to 35°C).

Cleaning: Warm water and soap or mineral Spirits immediately after application and before curing.

Tooling: Clean with soapy solution before skin formation.

Health & Safety Recommendation

Hand and eye protection is highly recommended. As with all adhesives, consult the material safety data sheet.

Remarks

PowerStick™ may be painted over, however, due to the large number of paints and varnishes available we strongly suggest a compatibility test before application. The drying time of alkyd resin based paints may increase.

PowerStick™ can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonates, etc. may differ from manufacturer to manufacturer, we recommend preliminary compatibility tests.

PowerStick™ is a moisture cure system. In bonding applications, one of the surfaces should be porous to allow for air and/or moisture to transfer to the adhesive for normal curing speed. If two non-porous surfaces are bonded together with PowerStick™, full curing time may require up to 7 to 10 days depending on application and the project conditions.

POWERS FASTENERS **BRANCH INFORMATION****USA LOCATIONS**

CITY	ADDRESS	CONTACT	PHONE	FAX
Atlanta	5405 Buford Hwy Suite 410 Norcross, GA 30071-3984	Robert Brito	678-966-0000	678-966-9242
Boston	2 Powers Lane, Brewster, NY 10509	Jack Armour	800-524-3244	914-576-6483
Charlotte	349 L West Tremont Avenue, Charlotte, NC 28203	Bob Aurisy	704-375-5012	704-376-5517
Chicago	2472 Wisconsin Avenue, Downers Grove, IL 60515	Dan Gilligan	630-960-3156	630-960-3912
Dallas	10625 King Williams Drive, Dallas, TX 75220	Kyle Thuenemann	972-506-9258	972-506-9290
Denver	2475 West Second Street #35, Denver, CO 80223	Aaron Minnis	303-922-9202	303-922-9228
Detroit	21600 Wyoming Avenue, Oak Park, MI 48237	Glen Gaskill	248-543-8600	248-543-8601
Florida	9208 Palm River Road, Bldg. 3, Suite 305, Tampa, FL 33619	Mark Mamula	813-626-4500	813-626-4545
Houston	20 North Sampson Street, Houston, TX 77003	Chris Salisbury	713-228-1524	713-228-1528
Indianapolis	15290 Stony Creek Way, Noblesville, IN 46060	Bill Trainor	317-773-1668	317-773-1690
Kansas City / St Louis	716 East 16th Avenue, North Kansas City, MO 64116	Don James, Jr.	816-472-5038	816-472-5040
Los Angeles	2761 Dow Avenue, Tustin, CA 92780	Jack Stewart	714-731-2500	714-731-2566
Maryland	3137-B Pennsy Drive, Landover, MD 20785	Gary Engleman	301-773-1722	301-341-5119
Milwaukee	12020 W. Feerick Street, Milwaukee, WI 53222	Donn Raduenz	414-466-2400	414-466-3993
Minneapolis	351 Wilson Street, NE Minneapolis, MN 55413	Rick Gruye	612-331-3756	612-331-3549
Nashville/Memphis	221 Blanton Avenue, Nashville, TN 37210	Ira Liss	615-248-2667	615-248-2676
New Orleans	20 North Sampson Street, Houston, TX 77003	Cal Zenor	985-966-6490	713-228-1528
New York	2 Powers Lane, Brewster, NY 10509	John Partridge	914-235-6300	914-576-6483
Philadelphia	2 Powers Lane, Brewster, NY 10509	Curtis Fickert	800-524-3244	914-576-6483
Phoenix	3602 E. Southern Ave, Suite 5 Phoenix, AZ 85040	Craig Hering	602-431-8024	602-431-8027
Pittsburgh	1360 Island Avenue, McKees Rocks, PA 15136	Bill Dugan	412-771-3010	412-771-9858
Rochester	40 Harrison Street, Rochester, NY 14605	Mike Kolstad	585-288-2080	585-288-8732
Salt Lake City	2212 SW Temple #4, Salt Lake City, UT 84115	Ted McComb	801-466-3406	801-484-0731
San Francisco	28970 Hopkins Street, Suite B+C, Hayward, CA 94545	Frans Honig	510-293-1500	510-293-1505
Seattle	129 South Kenyon, Seattle, WA 98108	Darin Arnold/Jim Swink	206-762-5812	206-762-5817

INTERNATIONAL LOCATIONS

CITY	ADDRESS	CONTACT	PHONE	FAX
Australia	Factory 3, 205 Abbotts Road, Dandenong, South Victoria 3175	Phil Rose	+61 3 8787 5888	+61 3 8787 5899
British Columbia	63 Fawcett Road Coquitlam, V3K 6V2	Distributor	604-540-0200	604-540-0212
Canada	6950 Edwards Blvd. Mississauga Ontario L5T 2W2	Mark Russell	905-673-7295	905-673-6490
Europe	Westrak 208, 1771 SV Wieringerwerf, Netherlands	Paul Geuvers	+31 888 769 377	+31 227 594 759
Manitoba	1810 Dublin Avenue Man. Winnipeg, R3H 0H3	Distributor	204-633-0064	204-694-1261
New Zealand	PO Box 302 076 North Harbour Auckland	Claye Sesto	+64 9415 2425	+64 9415 2627
Quebec	For name of nearest distributor call Powers Industries Ltd at	Mark Russell	905-673-7295	905-673-6490
Thailand	80/89 MOO4 Petchakasem Road, Bangkae Bangkok 10160	Chalee Surakavanichakorn	+661 826 5821	

LATIN & CARIBBEAN DISTRIBUTION INQUIRIES

COUNTRY/REGION	ADDRESS	CONTACT	PHONE	FAX
Latin America	9208 Palm River Road, Ste 305, Tampa, Florida 33619	Michael Gaffigan	954-914-6665	813-626-4545

LATIN & CARIBBEAN DISTRIBUTION

COUNTRY/REGION	ADDRESS	CONTACT	PHONE	FAX
Brazil	HARD, Rua Dr. Humberto Pinheiro Viera, 150 Lote B, 1 B Distrito Industrial, Joinville, Brazil		(55) 4749 7209	
Colombia	Electrogeno, S.A., Carrera 52 #71c-38, Bogota, Colombia		(57) 1 6600 9436	
Costa Rica	Electro Mechanics Supply, La Uruca Contiguo Banco Ntnl., De Costa Rica Condominio, Horizontal Bodega #9, San Jose, Costa Rica		(506) 2233-2595	
Dominican Republic	Calle Estancia Nueva #17 E Esquina Cul-De-Sac 9, San Geronimo, Santo Domingo	Rodfor Team	809-224-5615	809-472-8640
Ecuador	Av. Colon E 4 - 127 (1424), Entre Amazonas Y 9 De Octubre Los Rios #100 Y Manual Galecio	Sermaco - Quito (Casa Matriz) Sermaco - Guayaquil	593-2254-3703	593-2250-5013
Guatemala	Tecnofijaciones, 6 Avenue 8-56 Zona 9, Zona 9, Guatemala	Oscar Lucas Penagos	502-233-4-3478	-
Panama	Centro-Industrial, Via Cincuentenario, No. 7910, Ciudad Panama, Panama		(507) 302-8022	
Venezuela	Calle Sucre/Qta. Maudora, #1721 Entre Cec Acosta Y San Ignacio Chacao, Caracas	Distributor	58 212 264 1313	58 212 263 0219
Trinidad - Tobago	Ft. Farfan, 3-5 Ibis Avenue, Ibis Acres, San Juan	Derek Cumming	(868) 674-7896	

Note: The information and data contained within this documentation was current as of August 2009. The information is for marketing purposes only and is subject to change and updates as needed. Powers Fasteners, Inc. reserves the right to change designs and specifications without notice or liability for such changes. Please contact Powers Fasteners for the most current and up to date available information or refer to our website at www.powers.com

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www.powers.com

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