

TM

PowerStick

THE ULTIMATE ADHESIVE SEALANT

NEW
Advanced
MS Polymer
Technology

Caulks, Bonds and Seals, ALL in ONE

PowerStick

The Ultimate Adhesive Sealant

Bonds
Apply to wet or dry
surfaces. Cures quickly.

owers
FASTENERS

Caulks, Bonds and Seals, ALL in ONE STEP

PowerStick

The Ultimate Adhesive Sealant

Seals AND Bonds
Apply to wet or dry
surfaces. Cures quickly.

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, volatile organic compounds (VOC's) 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:

- Baths
- Showers
- Tiles
- Floor Seams
- Sinks
- Moulding
- Foundations
- Thresholds
- Sills
- Pipe
- Trim

Bonds:

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

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 VOC's, 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 300ml tube is ideal for confined space applications and are extremely lightweight, delivering a smooth, consistent bead without waste or messy overflow.



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 whatsoever.

PAINTABLE

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

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.

UV RESISTANCE

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





1,001 Applications

Plumbing



• PVC Plumbing



• Toilets



• Shower Stalls



• Sinks

Maintenance / Building Owner

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



• Outdoor Fixtures



• Control Panels

Carpentry / Flooring / Finishing



• Thresholds/Doorways



• Flooring/Tiling



for Every Trade

Marine



• Windshields



• Portholes

Window / Door



• Window Trim



• Window Sills

Electrical



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

Concrete / Masonry



• Concrete Floor Joints



• Cellar Hatchways



• Concrete



• Foundations

HVAC / Heating & Cooling



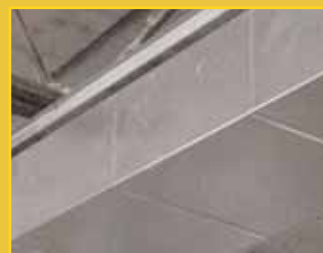
• Pipe



• Foam Insulation




• Air Conditioning



• HVAC Ductwork

Ordering Information



8168 

8166 

adhesive anchors

Bond Strength

METALS		
	PSI	MPa
Steel	127	0.87
Aluminum	109	0.75
Copper	144	0.99
Brass	81	0.56
Galvanized steel	116	0.80
PLASTICS		
	PSI	MPa
Epoxy (Typ.)	118	0.81
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
WOOD		
	PSI	MPa
Oak	131	0.90
Beech	134	0.92
Pine	125	0.86
Douglas Fir	125	0.86
Cedar	125	0.86
CONCRETE		
	PSI	MPa
Concrete	128	0.88
MASONRY		
	PSI	MPa
Brick	112	0.77
Hollow Block	112	0.77
Block	112	0.77

Look for our
Point of Sale
Display



1 Product for ALL Applications

PowerStick™ vs. The Rest

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

PowerStick™ Technical Characteristics

Base	MS Polymer	
Consistency	Paste	
Curing System	Moisture Cure	
Skin Formation (*) (20°C/65% R.V.)	5 min.	
Curing Rate (*) (20°C/65% R.V.)	3 mm/24h	
Hardness	50 ±5 Shore A	
Specific Gravity	1.47 g/ml	
Elastic recovery	>75 %	
Maximum Deformation	±20 %	
Temperature Resistance (fully cured)	-40°C to +90°C	
Elasticity Modulus 100 % (DIN 53504)	1.60 N/mm ²	
Tear Strength (DIN 53504)	3.00 N/mm ²	
Elongation at break (DIN 53504)	500%	
Shear Strength	>2N/mm ²	
	Substrate	Aluminium
	Thickness	2mm
	Shear test velocity 10mm/min	





PowerStick



Part No.	Description	qty	qty
8166	PowerStick 300ml White	1	12
8168	PowerStick 300ml Grey	1	12



Bonding:

PowerStick has excellent adhesion on almost all substrates. PowerStick has been tested on the following metal surfaces: steel, aluminium, brass and galvanised steel. Plastics that were tested include: polystyrene, polycarbonate (Makrolon®), PVC, ABS, polyamide, PMMA, glasfiber reinforced epoxy and polyester (GRP).

While producing these metals and plastics very often releasing agents, processing aids and other protective agents are used. These should be removed prior to bonding. This can be done by means of a Surface Activator.

NOTICE: bonding plastics like PMMA (ie Plexi® glass), polycarbonate (ie Makrolon® or Lexan®) in stress loaded applications can give rise to stress cracking and crazing in these substrates. The use of PowerStick is not recommended in these applications. There is no adhesion on PE, PP and PTFE (Teflon®).



Resistance to chemical agents:

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



Substrates:

All usual building substrates, various metals and plastics (except PP, PE and PTFE)
 Surface must be clean, dry and free of dust and grease



Packaging:

Colour: white and grey
 Packaging: cartridge 300 ml



Shelf life & storage:

- 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.



Bonding layers:

We recommend a bonding layer of at least 2mm to achieve a bond with maximum elastic properties.



Installation

- Apply with Manual or pneumatic caulking gun
- Application temperature +5°C to +30°C
- Clean with White Spirit or Surface Cleaner immediately after application and before curing
- Tooling: soapy solution before skin formation



Health and Safety

Apply the usual industrial hygiene
 For more information check the MSDS



Notes:

- PowerStick may be painted with most types of lacquer used in industrial applications, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- PowerStick can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonate, etc, may differ from manufacturer to manufacturer, we recommend preliminary compatibility test

POWERS FASTENERS

Victoria - Head Office

Factory 3 / 205 Abbots Rd
 Dandenong Sth, 3175
 T: 03-8787 5888
 F: 03-8787 5899

New South Wales

T: 02-4634 7600
 F: 02-4648 3139

Queensland

T: 07-3216 7122
 F: 07-3216 7216

Far North Queensland

T: 07-4031 8387
 F: 07-4031 8386

South Australia

T: 08-8346 5611
 F: 08-8346 5711

Western Australia

T: 08-9209 1211
 F: 08-9209 1055

New Zealand

T: +64-9415 2425
 F: +64-9415 2627

Thailand

T: +66 2801 2242
 F: +66 2801 0620

