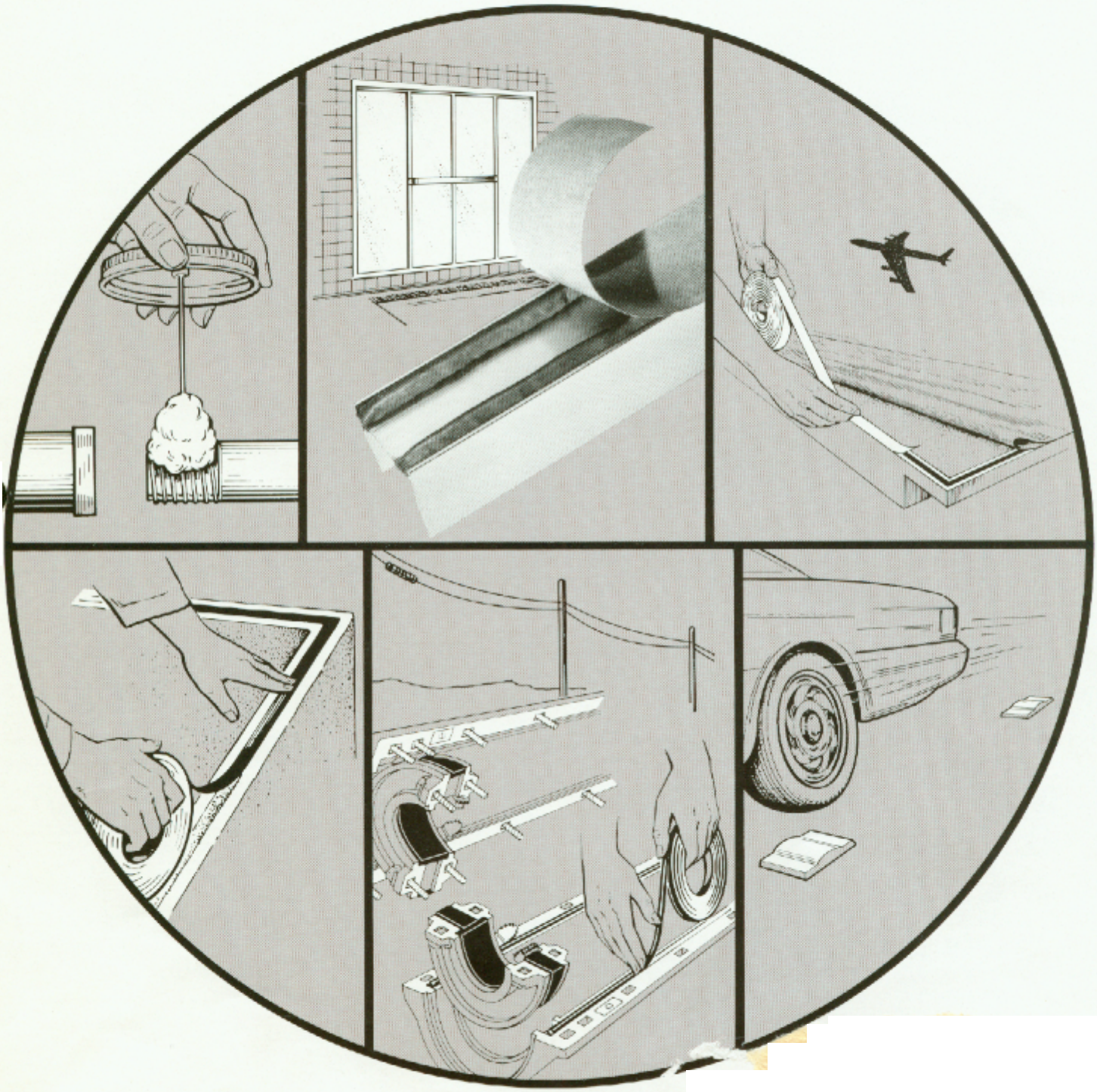
GS

GENERAL SEALANTS, INC.

EXTRUDED SEALANTS, ADHESIVES AND COATINGS



GS GENERAL SEALANTS, INC.

EXTRUDED SEALANTS · ADHESIVES · COATINGS

General Sealants, Inc., is a specialty manufacturer of sealants, adhesives and coatings for industry. We develop and produce standard and custom formulations to meet the specific requirements of our customers.

The use of advanced technology and innovative techniques has enabled us to provide the various industries we serve with products formulated with superior characteristics for sealing, adhesion, flexibility and simplicity of application.

This brochure presents a listing of standard products in capsule form to acquaint you with the scope of sealant manufacturing at General Sealants.

Additional information about our products is available through individual product bulletins. To obtain copies, request the appropriate bulletin by GS product number or type of application.

General Sealants is a pioneer in the development and application of extruded sealants. Today, the company is one of the world's leading producers with worldwide distribution for aircraft and aerospace, pipeline construction, industrial construction and manufacturing, telephone and communications, plumbing and air conditioning, and specialty applications.

Extruded sealants have grown steadily in popularity. They are simple and convenient to use and reliable when installed. Primary benefits include savings in application time and handling and superior, uniform bonds without breaks or gaps. The time to apply is minimal, they unroll into position.

A number of advantages over regular caulks are evident. They are extremely clean to work with. Compounding and premixing during the manufacturing process eliminates the need for on-site mixing and cleanup. And, they are ready to use, immediately. The use of 100% solids with no oils or solvents gives a stable formulation that won't dry out, crack, become brittle or separate.

EASE OF APPLICATION

Extruded sealants are ordered to the exact dimension of tape or bead material required to make the seal or gasket without waste. No special tools or pumping equipment are required. After being unrolled into position, the liner paper is used to press the cold applied sealant into position and then the liner paper is discarded.

GS extruded sealants are formulated to produce an immediate and permanent bond that is waterproof, non-hardening and permanently flexible. The integrity of the bond is maintained by absorbing vibration, expansion and contraction forces within the sealant leaving the surface adhesion undisturbed.

Generally, an extruded sealant bonds to any clean, dry surface as well as itself. A few require a primer for maximum adhesion, usually on concrete surfaces.

RESEARCH AND DEVELOPMENT

General Sealants scientists and technicians are devoted to a continuous program of experimentation to further the technology for extruded sealants. These investigations have paid great dividends by providing a body of knowledge that enables General Sealants to expertly respond to customers needs. Being prepared with up-to-date sealant and coating technology is why customers, worldwide, depend on General Sealants.

QUALITY CONTROL

General Sealants products are systematically inspected for compliance with general and specific standards of quality. From raw material inspections through routinely performed tack, cure and penetration testing and long term performance and environmental exposure of finished products, every effort is made to insure consistent product performance to the company's or customer's specifications.

CUSTOM APPLICATIONS

General Sealants is a personal company. We enjoy the stimulation of working closely with our customers using whatever resources are necessary to arrive at satisfactory solutions.

Along with the standard line of products, General Sealants has developed a strong reputation for developing and compounding formulations of sealants and coatings for specific purposes.

We invite your inquiries with requirements of a unique and interesting nature.

PRODUCTS BY INDUSTRY

INDUSTRIAL CONSTRUCTION

GS#	DESCRIPTION
2P	Pipe joint primer (use with GS/79)
3	Vacuum bag
4	General purpose
4T	Electrical sealing
4T-VB	Electrical sealing (vinyl backed)
5	Precast concrete
12	Solar
34	Shower door
70-B	Pond lining
79	Pipe joint
127	Super stick
424	Solvent resistant
600	Teflon thread
7500	Cross linked

PLUMBING, HEATING & COOLING

GS#	DESCRIPTION
4	General purpose
9.57	Duct sealing
35	Cork tape
600	Teflon thread

TELEPHONE & COMMUNICATIONS

GS#	DESCRIPTION
4	General purpose
4T	Electrical sealing
4T-VB	Electrical sealing (vinyl backed)
9.57	Duct sealing
10	Electrical insulating
15	Electrical box
63	Underground closure
125D	Re-enterable splice case
424	Solvent resistant
7500	Cross linked
"B"	B sealing

AIRCRAFT & AEROSPACE

GS#	DESCRIPTION
Air Dam-1	Vacuum Bag
Air Dam-2	Vacuum Bag
2	Vacuum Bag
3	Vacuum Bag
6K7	Vacuum Bag
37	Vacuum Bag
43	Vacuum Bag
100	Vacuum Bag
140	Protective coating
210	Vacuum Bag
213	Vacuum Bag
213-3	Vacuum Bag
424	Solvent resistant
600	Teflon thread
A-800-3G	Vacuum bag
A-800-3G Extra tacky	Vacuum bag

RESIDENTIAL & TRAILERS

GS#	DESCRIPTION
4	General purpose
9.57	Duct sealing
12	Solar
127	Super stick
600	Teflon thread

AUTOMOTIVE

GS#	DESCRIPTION
4	General purpose
1500	Windshield

UTILITIES, BURIAL VAULTS AND ROAD MAINTENANCE

GS#	DESCRIPTION
4	General purpose
5	Precast concrete
95	Cold weather
7601	Road marker pad

INDUSTRIAL MANUFACTURING

GS#	DESCRIPTION
2	Vacuum bag
4	General purpose
4T	Electrical sealing
4T-VB	Electrical sealing (vinyl backed)
9.57	Duct sealing
12	Solar
15	Electrical box
127	Super stick
424	Solvent resistant
600	Teflon thread
7500	Cross linked

PIPELINE CONSTRUCTION

GS#	DESCRIPTION
2P	Pipe joint primer (use with GS/79)
4	General purpose
5	Precast concrete
52	Acid resistant
70-B	Pond lining
79	Pipe joint
95	Cold weather
130	Heat bonding
424	Solvent resistant

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COMPOSITION (% Solids)	PACKAGING	ADHESION	RESISTANCE Water	RESISTANCE Corrosion	OPERATING TEMPERATURE RANGE (°F)	OPERATING TEMPERATURE RANGE (°C)	METHOD OF APPLICATION
		(E = Excellent, H = High, G = Good)					
100	Extruded tapes and beads	E	E	E	–35 to 250	–37 to 121	Hand
100	Extruded tapes and beads	E	E	E	–40 to 180	–40 to 82	Hand
100	Extruded tapes and beads	E	E	E	–20 to 180	–29 to 82	Hand
100	Extruded tapes and beads	E	E	E	–15 to 200	–26 to 93	Hand
97	1 & 5 lb. slugs	G	H	E	–20 to 300	–29 to 149	Hand, putty knife
100	Extruded tapes	E	E	E	–40 to 250	–40 to 121	Hand
100	Extruded tapes and beads	E	E	E	–35 to 300	–37 to 149	Hand
100	Extruded pads and tapes	G	H	E	–30 to 200	–34 to 93	Hand
100	Extruded tapes and beads	E	E	E	–35 to 250	–37 to 121	Hand
100	Extruded tapes and beads	H	H	E	–40 to 160	–40 to 71	Hand
100	Extruded tapes and beads	G	G	G	–20 to 180	–29 to 82	Hand
100	Extruded flatback, 30" strips	H	E	E	–35 to 200	–37 to 93	Hand
100	Extruded tapes and beads	E	E	E	–35 to 200	–37 to 93	Hand
100	Extruded tapes and cords	E	E	E	–40 to 140	–40 to 60	Hand
100	Extruded tapes and beads	E	H	E	–35 to 300	–37 to 149	Hand
100	Extruded tapes	E	E	E	0 to 250	–18 to 121	Hand applied to backing, heat shrinkable
100	Extruded tapes	G	E	E	–40 to 180	–40 to 82	Hand
100	Extruded tapes and beads	E	E	E	–20 to 250	–29 to 121	Hand
100	Extruded tapes and beads	E	E	E	–20 to 225	–29 to 107	Hand
100	Extruded tapes and pads	E	E	E	–20 to 160	–29 to 71	Hand
100	Extruded tapes and cords	E	E	E	–20 to 180	–29 to 82	Hand

VACUUM BAG PRODUCTS

GS#	PRODUCT	DESCRIPTION	BASE MATERIAL
AIR DAM-1	Auto-Clave resin dam	Used to dam resins for Auto-Clave in vacuum bag applications. Removes clean from die.	Syn. rubber
AIR DAM-2 EXTRA TACKY	Auto-Clave resin dam	Used to dam resins for Auto-Clave in vacuum bag applications. Removes clean from die.	Syn. rubber
2	Vacuum bag sealant	Extra high temperature vacuum bag sealer of plastic film to die when forming plastic laminates and metal bonding. Removes from die after cure when cold.	Syn. rubber
3	Vacuum bag sealant	Medium temperature vacuum bag sealer of plastic film to die when forming plastic laminates and metal bonding. Removes from die after cure when cold.	Syn. rubber
6K7	Vacuum bag sealant	Extra high temperature vacuum bag sealer of plastic film to die when forming plastic laminates and metal bonding. Removes from die after cure when cold.	Syn. rubber
37	Vacuum bag sealant	Medium temperature vacuum bag sealer of plastic film to die when forming plastic laminates and metal bonding. Removes from die after cure when cold.	Syn. rubber
43	Vacuum bag sealant	High temperature vacuum bag sealer of plastic film to die when forming plastic laminates and metal bonding. Removes from die after cure when hot or cold.	Syn. rubber
100	Vacuum bag sealant	Medium temperature vacuum bag sealer of plastic film to die when forming plastic laminates and metal bonding. Removes from die after cure when hot or cold.	Syn. rubber
210	Vacuum bag sealant	High temperature vacuum bag sealer of plastic film to die when forming plastic laminates and metal bonding. Removes from die after cure when hot or cold.	Syn. rubber
213	Vacuum bag sealant	High temperature vacuum bag sealer of plastic film to die when forming plastic laminates and metal bonding. Removes from die after cure when hot or cold.	Syn. rubber
213.3	Vacuum bag sealant	Extra tacky GS/213. Designed for 4-hour cure at 250°F to 350°F (121°C to 177°C)	Syn. rubber
A-800-3G	Vacuum bag sealant	Extremely high temperature vacuum bag sealer of polyimide and metallic film to die when forming plastic laminates and metal bonding. Removes from die after cure when hot or cold.	Silicone
A-800-3G EXTRA TACKY	Vacuum bag sealant	Extra high temperature vacuum bag sealer of polyimide and metallic film to die when forming plastic laminates and metal bonding. Removes from die after cure when hot or cold.	Silicone

LIQUID AND PASTE PRODUCTS

2P	Pipe joint primer	Pipe joint primer for maximum adhesive bond with extruded sealants. Excellent resistance to water, acids, and alkalis in dried, cured state.	Syn. rubber
63	Underground closure sealant	Pumpable paste for moisture proofing outdoor and underground telecommunications splice cases, terminals and cables. Fills cavities to displace moisture and water. Remains in paste form. Permits re-entry and repair.	Syn. polymer
70-B	Pond lining adhesive	Adhesive for vinyl-to-vinyl and plastic-to-plastic joint seams in reservoirs and water systems. Bonds in less than 24 hours. Maximum bond in 72 hours.	Syn. rubber
140	Protective coating	Two-part anti-corrosion coating for aluminum and magnesium. Excellent protection for high speed aircraft skins in tropical environments. Resists erosion, corrosion, weather, fresh and salt water, and humidity. Flash point is 70°F (TOC).	Syn. resins, polymers and MEK
600	Teflon® thread sealant	Lubricates and protects threaded and flanged connections for water, oil, air, steam, common gases and hydraulic systems. Hot or cold fluids. Ferrous or non-ferrous metals. Outstanding with plastics. Excellent for applications where high temperatures may be encountered such as fire sprinkler systems. Cream colored.	Syn. resins with Teflon

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Warranty

Products are sold without warranty, expressed or implied, except if shown to be defective in materials within 30 days of shipment by us. Defective products will be replaced or, at our option, the purchase price will be refunded to the purchaser. We assume no responsibility for consequential damage arising from the use or inability to use our products. User must confirm the adaptability of our products by their own tests. No representative of our company, or any other, has authorization to grant any additional warranty.

EXTRUDED PRODUCTS

GS#	PRODUCT	DESCRIPTION	BASE MATERIAL
4	General purpose sealant	Excellent general purpose sealant used extensively in construction and industrial applications requiring high quality sealing and waterproofing. Black or gray.	Butyl rubber
4T	Electrical waterproofing sealant	Permanently seals and protects low voltage tap, feeder, and splice connections, above or below ground. Won't harm insulation. Resists water, weather and soil chemicals. Commonly used for cable TV. Black.	Butyl rubber
4T-VB	Electrical waterproofing –vinyl backed	Water and moisture resistant for low voltage electrical connections requiring vinyl backed sealant. Resists most common environmental conditions, above or below ground. Black.	Butyl rubber w/vinyl backing
5	Precast concrete sealant	Provides a plastic rubber gasket joint for concrete and metal surfaces. Excellent waterproofing seal for telephone, utility and burial vaults, above or below ground. Tolerates most weather and soil conditions. Gray.	Syn. rubber
9.57	Duct sealant— "Thum-Seal"	Moldable, tacky putty for sealing closures around pipes, conduits, cables, meters, and other general purpose requirements. Gray.	Syn. polymers
10	Moldable electrical insulating tapes	Low voltage, electrical cable moisture seal and insulating material. Fills voids and rough surfaces, covers sharp points, wiring and splices. Used with an overwrap of vinyl electrical tape. Black.	Syn. rubber
12	Solar non-curing tape	Water-tight sealant for solar applications. Excellent adhesion to glass, metal and plastics. Takes expansion, contraction and movement within sealant. Gray.	Syn. rubber
15	Electrical box sealant	Sealant pads close off backside of electrical, telephone and TV outlet boxes. Covers nail and knockout holes to reduce air transmitted sound and provide moisture barrier. Size: ⅛" x 6" x 8". Black.	Syn. polymer
34	Shower door sealant	Formulated for shower door and bathtub enclosures. No curing time required. Expansion and contraction forces taken within sealant. White or gray	Butyl rubber
35	Insulating cork tape	Insulates and eliminates condensation on refrigerant lines. Adheres to itself. Non-drying and low odor. Black.	Syn. resins and rubber extenders, cork filled
52	Acid resistant sealant	Resistant to acids present in sewage. Good resistance to Hydrochloric acid and Sodium Hydroxide (10%). Used for concrete sections, septic tanks, culvert pipes. Black.	Butyl rubber
79	Pipe joint sealant	High grade plastic rubber gasket joint sealant for reinforced concrete and storm drain pipe. Permanently flexible. Bonds to itself. Immediate and permanent seal. Gray.	Butyl rubber
95	Cold weather sealant	All-purpose, cold weather concrete sealant. Ideal for manhole covers, concrete sections, vaults, culvert pipes, septic tanks, and other concrete structures, above or below ground. Black.	Butyl rubber
125D	Re-enterable splice case sealant	Polyethylene splice case and distribution terminal box sealant that releases clean to permit re-entry. Provides air tight and moisture resistant seal. Black.	Syn. rubber
127	Super stick sealant	Ultra high surface bond used in construction applications. Immediate seal. Very good elongation, high recovery and excellent flexibility. Excellent for expansion, contraction, vibration and joint movement. Light gray.	Crossed linked, butyl rubber
130	Bonding adhesive	Used to bond heat shrinkable polyethylene and PVC tubing to metal pipe in pipeline applications. Adhesive activated by heat. High cohesive strength. Moisture-proof. Black.	Butyl rubber
424	Polysulfide sealant (MIL-S-11030E)	Oil and aromatic hydrocarbon resistant sealant. Maintains bond even when submerged in solvent. Will not craze plastics. Bonds to itself. Meets or exceeds MIL-S-11030E, Type III. Black.	Polysulfide
1500	Windshield sealant	Labor saving sealant tape for automobile windshields. Used by OEM installers. Waterproof. Requires no curing time. Bonds on contact to glass, metal, butyl and polysulfide. Odorless and non-aging. Black.	Butyl rubber
7500	Cross linked sealant	Superior, aggressively tacky sealant used in communications and construction applications. Gives immediate dimensionally stable bond with high recovery factor. Exceptionally elastic, resilient and weather resistant. Takes expansion, contraction, vibration and joint movement. Gray.	Crossed linked, butyl rubber
7601	Road marker pads	Extremely tacky and aggressive sealant pads for temporary applications such as road reflector markers in heavy traffic areas. Stable bond with high recovery factor. Resistant to ultraviolet rays and weather. Contains expansion, contraction and vibration forces within the sealant. Gray.	Butyl rubber
"B"	B sealing tape	Outdoor and underground telephone and communications apparatus sealant for splice cases, terminals and cables. Used for damming and end seal against moisture and gases. Manufactured to Bell System Spec. AT-7601. Black.	Unvulcanized butyl rubber

COMPOSITION (% Solids)	PACKAGING	ADHESION	RESISTANCE Water	Corrosion	OPERATING TEMPERATURE RANGE (°F)	(°C)	METHOD OF APPLICATION
		(E = Excellent, H = High, G = Good)					
100	Extruded tapes	E	H	H	250 to 350	121 to 177	Hand
100	Extruded tapes	E	H	H	250 to 350	121 to 177	Hand
100	Extruded tapes	E	E	H	250 to 600	121 to 316	Hand
100	Extruded tapes and beads	E	E	E	250 to 300	121 to 149	Hand
100	Extruded tapes	G	G	G	350 to 600	177 to 316	Hand
100	Extruded tapes	E	E	E	250 to 325	121 to 163	Hand
100	Extruded tapes	H	E	E	250 to 350	121 to 177	Hand
100	Extruded tapes	E	E	E	250 to 300	121 to 149	Hand
100	Extruded tapes	E*	E	E	250 to 350	121 to 177	Hand
100	Extruded tapes	E	E	E	250 to 350	121 to 177	Hand
100	Extruded tapes	E	E	E	250 to 350	121 to 177	Hand
100	Extruded tapes	G	H	G	350 to 650	177 to 343	Hand
100	Extruded tapes	E	H	G	300 to 600	149 to 316	Hand

* most surfaces

50 50 (volatiles)	1 & 5 gal.	E	E**	E	0 to 200†	−18 to 93†	Brush
100	1, 5 & 50 gal.	E	E**	E	−20 to 140	−29 to 60	Pressure gun, brush
11	1 & 5 gal.	E	E**	E	−20 to 200†	−29 to 93†	Roller, brush
60	2 part, 1, 5 & 50 gal.	H	E	E	−20 to 200	−29 to 93	Spray gun
60	½ & 1 pt., 1 qt., 1, 5 & 50 gal.	—	—	—	−40 to 400	−40 to 204	Brush

** dry or cured state

† after cure

GS

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