

E-6000®

Industrial Adhesives & Sealants

INDUSTRIAL STRENGTH

WATERPROOF

FLEXIBLE

PAINTABLE

NON-FLAMMABLE

The E-6000 series of industrial adhesives, **E-6000**, **E-6100** and **UV-6800**, are tough, flexible and highly versatile rubber-based compounds that exhibit exceptional adhesive, contact adhesive and sealant qualities.

Among the strongest one-component, **multi-purpose adhesives and sealants** available for industrial applications, E-6000 adhesives have **very high tensile strengths to a multitude of surfaces**, while remaining extremely flexible, especially important when used in underwater applications and cold temperatures. This elasticity makes E-6000 **ideal as an adhesive or sealant** between surfaces with dissimilar expansion coefficients. Also, E-6000 adhesives non-corrosive, so they may be used on high-wear **surfaces subject to vibration**, including conveyor belts, storage tanks and pipes.

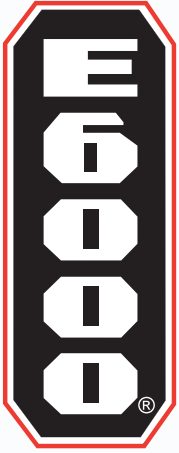
The E-6000 adhesives outperform silicones, acrylics and rubber cements because they adhere to more surfaces with greater durability. They provide a **superior bond on stubborn porous and non-porous substrates** like metal, plastic, glass, concrete, rubber, as well as brick, tile, marble, ceramic, vinyl, fabric, canvas, leather and wood.



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CHOOSE THE BEST ADHESIVE FOR ANY APPLICATION

SELF-LEVELING FORMULA



An indispensable maintenance tool, E-6000 allows the kind of permanent repair and maintenance of equipment that may have been too expensive or difficult in the past. E-6000 provides adhesion strength and versatility not found in silicones and rubber cements. Its strength in adhering metals, glass, rubber and plastics makes it a universal vehicle maintenance and repair adhesive. Also, because it's self-leveling, E-6000 may be used as a potting material in electrical and computer applications.



NON-SAG FORMULA



E-6100, with all the strength and adhesive properties of E-6000, is the non-sag formulation that won't slump or run, allowing for maximum control. This adhesive is ideal for overhead and vertical use, such as HVAC system repair or wall paneling installation. Use E-6100 wherever nails won't work, or for such vertical applications as sign installation and roof flashing. E-6100 is also the only authorized installation adhesive for a leading laminate countertop manufacturer.



UV RESISTANT FORMULA



Clear UV-6800 maintains all the superior properties of E-6000 and enhances it with UV stabilizers, which provide ultra-violet resistance for marine and outdoor applications. UV-6800 may be used as an adhesive on fiberglass, concrete, metal, glass and wood, including teak. UV-6800 is an excellent insulator against water, corrosion from salt spray, mildew, bacteria, most chemicals and vibration. UV-6800 maintains its adhesive strength, even when submerged under water.



PHYSICAL CHARACTERISTICS - uncured material			
	E-6000 Self-Leveling	E-6100 Non-Sag	UV-6800 UV Resistant
Solids:	30% by weight	32% by weight	30% by weight
Density:	11.1 lbs./gal.	11.0 lbs./gal.	11.1 lbs./gal.
VOC:	1.198 grams/liter	1.198 grams/liter	1.198 grams/liter
Tack time:	5 minutes	4 minutes	5 minutes
Full cure time:	24 hours (thin film); 48-72 hours (thick film)	24 hours (thin film); 48-72 hours (thick film)	24 hours (thin film); 48-72 hours (thick film)
Storage:	Store between 50 to 80 °F (10 to 27 °C)	Store between 50 to 80 °F (10 to 27 °C)	Store between 50 to 80 °F (10 to 27 °C)
Freeze/thaw stability:	yes; allow product to reach room temperature before opening	yes; allow product to reach room temperature before opening	yes; allow product to reach room temperature before opening
Color:	Clear, Black	Clear, White, Gray, Black	Clear
Viscosity:	50,000 cps (low) / 100,000 cps (medium) / 200,000 cps (high)	non-sag	100,000 cps
PHYSICAL CHARACTERISTICS - cured material			
Hardness:	80A	80A	80A
Tensile strength (ASTM D-412)	3,500 lb/in ²	3,800 lb/in ²	3,500 lb/in ²
Elongation (ASTM D-412)	900%	900%	900%
Chemical resistance	excellent to water, dilute acides & dilute bases	excellent to water, dilute acides & dilute bases	excellent to water, dilute acides & dilute bases
Temperature range	-40 to 150 °F (-40 to 66 °C)	-40 to 150 °F (-40 to 66 °C)	-40 to 150 °F (-40 to 66 °C)
Paint-over time	24 hours	24 hours	24 hours
UV resistance	paint over or use UV-6800	paint over or use UV-6800	yes; to maximize, paint over
Dielectric strength (ASTM D-149)	400 V/mil. This is the maximum voltage that can be applied to a given material without causing it to break down.	400 V/mil. This is the maximum voltage that can be applied to a given material without causing it to break down.	400 V/mil. This is the maximum voltage that can be applied to a given material without causing it to break down.

Adhesive	Surface	Canvas	ABS	Rigid PVC	Glass	Pine	SBR Rubber	Neoprene Rubber	Polyurethane	Concrete block	Polished granite	Aluminum 6061	E-coat galvanized	Phenolic board	FRP fiberglass	Polycarbonate
		E-6000 Ind. Strength Ectec Products, Inc.	79.0	16.0	26.0	26.0	24.6	19.5	6.00	6.50	39.4	20.4	18.6	33.4	24.6	21.0
Kitchen & Bath Silicone GE	0.66	2.22	0.12	8.4	5.4	3.00	0.58	2.66	1.06	12.8	3.34	1.38	3.16	4.66	0.04	
DOW Corning Silicone DAP	1.04	2.32	0.30	3.74	2.0	1.44	0.76	3.16	2.66	10.6	3.84	1.34	2.24	1.90	1.94	
Polyseamseal Caulk OSI Sealants	17.4	0.16	8.60	0.08	17.2	0.74	0.04	0.04	14.4	4.20	0.36	0.20	0.16	0.20	8.40	
ProFlex Caulk Geocel	3.60	2.54	1.46	2.90	1.52	0.06	.046	0.02	2.34	6.20	0.38	2.39	0.16	1.40	1.62	

Testing was performed by an independent testing laboratory; each product was a peel of cotton cloth bonded to various services. Test results were measured in PLI values and allowed to dry for 48 hrs. at 72° F/50%RH.

ADHESIVE CHARACTERISTICS

- Exhibits high adhesive and cohesive strength
- Bonds with difficult, non-porous surfaces, including metal and glass
- Bonds with porous surfaces, such as concrete and wood

SEALANT CHARACTERISTICS

- Maintains adhesion strength, even when submerged under water
- 100% paintable with oil- and water-based paints when dry
- UV-6800 resists ultra-violet sunlight; paint over dry UV-6800 to maximize UV resistance
- Performs as a contact adhesive when applied to two surfaces and allowed to dry 2–10 minutes before bringing surfaces together

FLEXIBILITY & VIBRATION RESISTANCE

- Tremendous elasticity, stretching up to 900% of their lengths
- Elasticity permits E-6000 to work as an effective adhesive between surfaces that have dissimilar expansion coefficients
- Superior as a sealant between components which will exhibit large changes in spacing during use

TEMPERATURE CONSTRAINTS

- Service temperature range for the E-6000 series adhesives is -40 to 150 °F (-40 to 66 °C)
- Shear strength of 200 psi at 150 °F (66 °C)
- Adhesive strength, tear resistance, cohesive strength and flexibility make E-6000 series adhesives a better choice than silicones and epoxies

E-6000 INDUSTRIAL ADHESIVES ADHERE TO MORE SURFACES WITH GREATER STRENGTH THAN OTHER ADHESIVES



In-store point-of-purchase material demonstrate product strength.

Commercial Applications:

- Printed circuit boards, terminals, wiring and other electrical applications as an insulating or potting material. It protects and insulates against moisture and vibration.
- Seal leaks in PVC, ABS, copper and galvanized piping
- Seal around roof flashing
- Bond metal to plastic appliance housings
- Install fixtures and signs
- Caulk or seal pools and spas
- Stereo speaker manufacturing and installation
- Bond housings on monitors and motion detectors



Install acrylic & metal signs.



Overhead door repair & installation.

Fleet Maintenance:

- Seal windshields against moisture
- Mend rubber floor mats
- Repair cracked or broken taillight lenses
- Coat and seal electrical connections
- Coat battery terminals against corrosion
- Repair loose battery posts



Install safety reflectors.



Adhere weatherstripping to windows.

Plant Maintenance:

- Repair rubber dock bumpers
- Repair stripped threads in wood
- Seal junction boxes against moisture
- Seal copper and galvanized pipe
- Adhere metal to metal
- Cement brick or cinder blocks in place
- Seal PVC and copper pipes
- Seal cracks in concrete, cinder block walls and flooring
- Repair cracked or broken glass



Seal cracks in cement floors.



Coat & protect boots & gloves.

Marine Maintenance:

- An adhesive and sealant on wood (including teak), fiberglass, concrete, plastic, metal and glass
- Insulator against water, corrosion from salt spray, mildew, bacteria, most chemicals and vibration.
- May be used below the water line when cured.
- Coat dock lines
- Repair fishing nets and floats
- Repair vinyl and fabric upholstery
- Seal portholes and wooden deck seams



Seal portholes against moisture.



Repair torn canvas sails & boat covers.

Ordering Information

E-6000 High Viscosity								
Sales Part #	Color	Individual Size	Case Pack	Item UPC	Case Barcode	Case Weight	Case Dimensions	Case Cube
220011	Clear	3.7 fl oz case	12pk	076818364023	10076818364020	4.70 lbs	7.38 x 5.25 x 7.00	0.16 ft ³
220015	Clear	3.7 fl oz counter display	24pk	076818364023	50076818364028	9.25 lbs	7.50 x 10.38 x 10.50	0.47 ft ³
222011	Clear	10.2 fl oz cut case	12pk	076818312031	20076818312035	13.15 lbs	11.50 x 6.00 x 8.25	0.33 ft ³
224021	Clear	Gallon Pail	4pk	076818240211	10076818240218	49.00 lbs	9.00 x 13.50 x 13.75	0.97 ft ³
225031	Clear	5 Gallon Pail		076818250319	n/a		14.00 x 12.00 x 12.50	1.22 ft ³
226041	Clear	55 Gallon Drum		076818260417	n/a			
Medium Viscosity								
231012	Clear	1.0 fl oz case	12pk	076818364115	20076818364119	1.55 lbs	5.25 x 3.75 x 7.35	0.08 ft ³
230021	Clear	3.7 fl oz case	12pk	076818364016	10076818364013	4.65 lbs	7.38 x 5.25 x 7.00	0.16 ft ³
230022	Clear	3.7 fl oz carded case	6pk	076818300229	20076818364010	2.70 lbs	9.00 x 6.00 x 6.19	0.19 ft ³
230025	Clear	3.7 fl oz counter display	24pk	076818364016	50076818364011	10.00 lbs	7.50 x 10.25 x 10.38	0.46 ft ³
232021	Clear	10.2 fl oz cut case	12pk	076818312017	20076818312011	12.95 lbs	11.50 x 6.00 x 8.00	0.32 ft ³
234061	Clear	Gallon Pail	4pk	076818340614	10076818340611	49.50 lbs	9.00 x 13.50 x 13.75	0.97 ft ³
235071	Clear	5 Gallon Pail		076818350712	n/a		14.00 x 12.00 x 12.50	1.22 ft ³
236081	Clear	55 Gallon Drum		076818360810	n/a			
230031	Black	3.7 fl oz case	12pk	076818364351	10076818364037	4.65 lbs	7.38 x 5.25 x 7.00	0.16 ft ³
232031	Black	10.2 fl oz cut case	12pk	076818312352	20076818312356	13.15 lbs	11.50 x 6.00 x 8.00	0.32 ft ³
Low Viscosity								
244021	Clear	Gallon Pail	4pk	076818440215	10076818440212	51.00 lbs	9.00 x 13.50 x 13.75	0.97 ft ³
245031	Clear	5 Gallon Pail		076818450313	n/a	58.95 lb	14.00 x 12.00 x 12.50	1.22 ft ³
246041	Clear	55 Gallon Drum		076818460411	n/a			

E-6100 NON-SAG								
Sales Part #	Color	Individual Size	Case Pack	Item UPC	Case Barcode	Case Weight	Case Dimensions	Case Cube
252011	Clear	10.2 fl oz cut case	12pk	076818313014	10076818313011	13.05 lbs	11.50 x 6.00 x 8.00	0.32 ft ³
254021	Clear	Gallon Pail	4pk	076818313212	10076818313219	49.75 lbs	9.00 x 13.50 x 13.75	0.97 ft ³
255031	Clear	5 Gallon Pail		076818313311	n/a		14.00 x 12.00" x 12.50	1.22 ft ³
256041	Clear	55 Gallon Drum		076818313410	n/a			
252051	White	10.2 fl oz cut case	12pk	076818313052	10076818313059	12.90 lbs	11.50 x 6.00 x 8.00	0.32 ft ³
252031	Black	10.2 fl oz cut case	12pk	076818313038	10076818313035	12.85 lbs	11.50 x 6.00 x 8.00	0.32 ft ³
252041	Grey	10.2 fl oz cut case	12pk	076818313045	10076818313042	12.90 lbs	11.50 x 6.00 x 8.00	0.32 ft ³

UV-6800 Medium Viscosity								
Sales Part #	Color	Individual Size	Case Pack	Item UPC	Case Barcode	Case Weight	Case Dimensions	Case Cube
260011	Clear	3.7 fl oz case	12pk	076818424017	10076818424014	4.70 lbs	7.50 x 5.25 x 7.00	0.16 ft ³
262011	Clear	10.2 fl oz cut case	12pk	076818422013	10076818422010	12.90 lbs	11.50 x 6.00 x 8.00	0.32 ft ³
264011	Clear	Gallon Pail	4pk	076818640110	10076818640117	47.95 lbs	9.00 x 13.50 x 13.75	0.97 ft ³
265011	Clear	5 Gallon Pail		076818650119	n/a		14.00 x 12.00 x 12.50	1.22 ft ³
266011	Clear	55 Gallon Drum		076818660118	n/a			