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Building & Restoration Products



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About Abatron

Abatron was founded in 1959 and specialized in the research, development and custom formulation of epoxy and polyester compounds. Later, urethanes, acrylics, vinyls, silicones, copolymers and other compounds were added to the company's product offerings. Since its founding, **Abatron** has continued to meet and create specifications for architectural, industrial, electronic and marine applications.

In today's marketplace, "green" is the go word. With increasing public concern for the environment, "green" products are in high demand.

Most **Abatron** products are very green. They have little or no adverse impact on the environment, such as the emission of noxious gasses, and they have saved countless structures from landfills.



In choosing the products for this catalog the criteria are:

- High-performance and Structural Properties
- Permanence
- Safety to the Applicator and Environment
- Ease of Use

Abatron's products are supported by the company's technical staff which can be reached as follows:

Tele: 800/445-1754

Fax: 262/653-2019

www.abatron.com

A few of the locations where Abatron's products have been used are:



- Gamble House, Pasadena, CA
- Mark Twain House, Hartford, CT
- Union Station, Washington, D.C.
- U.S. Dept. of Agriculture Building, Washington D.C.
- Iowa State Capitol, Des Moines, IA
- Lincoln Home National Site, Springfield, IL
- Rookery Building, Chicago, IL
- Faneuil Hall, Boston, MA
- Carnegie Hall, New York, NY
- Johnson Wax (Waxdale), Racine, WI

Abatron offers the most advanced and cost effective structural adhesive system for concrete repairs, patches, installations, renovation, and replacement.

Abocrete™

Epoxy Patching and Resurfacing Compound. Structurally and chemically superior to concrete. Unlike concrete, latex modified concrete, and other mixes, Abocrete permanently repairs, bonds, rebuilds, and resurfaces concrete and most rigid surfaces.

Uses: Abocrete is excellent for driveways, sidewalks, heavy-traffic floors, stairs, loading and parking areas, warehouses, plants, ship docks, and pitted, spalled, worn, or cracked concrete. It can also be used for anchoring posts or railings, and installing machinery precasts, posts, columns, etc.

Features & Benefits: Abocrete is unaffected by salt water, oils and other chemicals that corrode concrete. Can be applied in any thickness from a few mils to more than 1 ft. thick. Contains no solvents or volatiles. Virtually shrink-free. Makes great anti-slip floors and decks. Hardens quickly. Viscosity can be changed by varying the amount of sand or aggregate added to the Abocrete blend. It can also be used with or as a substrate for aggregate and decorative quartz sand.

Technical Characteristics: Contents: the 5-gallon (18.9 liters) kit contains 1 gallon liquid epoxy resin (Abocrete A), 1 quart liquid hardener (Abocrete B) and enough sand to blend about 4.5 gallons of Abocrete compound, all packaged separately in the same pail. Hardening time: 1-6 hours depending on the temperature, thickness, amount of aggregate, and other variables. Coverage: one gallon of Abocrete, with or without sand or aggregate, covers 231 cubic inches, exactly the volume of 1 gallon. Color: clear, light gray, dark gray, or custom colors. 100% solids. 4/1 ratio. 20-40 minute pot life. ACI 503.1. ASTM C881, Tp I,III,3;3.

Typical Comparative Test Results:

	Concrete			Abocrete		
	Kg/cm ²	Mpa	Psi	Kg/cm ²	Mpa	Psi
Tensile Strength	21,09	2,07	300	632,70	62,06	9000
Flexural Strength	35,15	3,45	500	738,15	72,40	10500
Compressive Strength	248,05	24,13	3500	846,60	82,74	12000

For Cold/Sub-Freezing Weather or Wet Surfaces: Abocrete (A) can be blended with Abocure 7912-1 in a ratio of 2 parts by volume Abocrete (A) with 1 part by volume Abocure 7912-1 for patching and resurfacing (see page 3).

Aboweld 55-1™

No slump thixotropic epoxy adhesive paste for building up vertical surfaces without forms or molds. This product fills cracks and permanently bonds concrete, wood, masonry, stones, metals, glass, fiberglass, and most rigid materials. Much stronger than concrete.

Uses: Aboweld 55-1 is excellent for restoring columns, walls, ceilings, rails, stair risers and treads, and sculptures. Also great for installing machinery, posts, precasts, and other structural components.

Features & Benefits: Bonds to wet and dry surfaces. Will not sag. Easy to apply. Resists atmospheric and humidity conditions, salts, alkalis, diluted acids, solvents, fuels, oils, and greases.

Technical Characteristics: 100% solids. 1/1 ratio. 1 hour pot life. Hardens in 1-6 hours at room temperature. Gray (white/black). ASTM C881, TP I, III, Grd 3, Clss C. IL. Dept. of Transportation BSP-14.

For cold/sub-freezing weather or wet surfaces: Aboweld 55-1 (A) can be mixed with an equal volume of Abocure 55-1 (B) CLD.

Concrete Repair and Resurfacing Basics

Rejuvenate ugly, damaged concrete using this basic method:

- Clean concrete thoroughly. Remove grease and oil with GreaseGone™.
- Roughen surface by etching with Safetch™. Shotblasting or grinding is preferred to etching to roughen the surface if old paint must be removed.
- Repair cracks and spalled, uneven concrete with Abocrete.
- Apply coatings as recommended for the desired system.
- Apply vinyl chips or color grit, as desired, before basecoat hardens.
- Apply clear topcoat if desired.
- Maintain the concrete, in most cases, with detergent and water.

Abocrete Permanently Repairs and Restores



Abocrete repairs spalled concrete.



Abocrete fills voids and replaces missing sections of concrete.



Product Selection Guide

Abatron's high-strength specialty products meet the most demanding requirements. Technical data sheets are available at www.abatron.com

PRODUCT	PG	AN	AP	AS	BO	CO	FA	FL	HI	JO	LA	LI	ME	NO	PA	PF	RE	SC	SD	SK	SL	ST	UN
Abocrete	3	●	●		●							●				●	●			●			
Aboweld 55-1	3	●													●	●			●		●		
Epotron 5	4		●		●						●	●											
Aboweld 48-33	4		●		●										●								
Aboweld 55-22	5	●			●							●											
Abocast 8005-6	5											●		●									
Abotar 8101-8	5			●				●				●											
Rockweld 55-27	5				●										●	●			●				
Aboweld 8212-4	5				●										●			●			●		
MetalFix P	5		●		●								●		●								
Aboweld 8708-2	6				●		●								●						●		
Aboweld 8101-5	6				●	●	●					●										●	
Abocast 8012-9	6				●	●	●					●											
Polyflex	6				●		●	●	●			●											
Aboweld 8007-2	6							●		●		●							●				
Aboseal 8104-12	6							●		●		●			●	●							
Aboseal 6-6	6							●		●		●											
Abojet 1	7											●							●			●	
Abojet 2	7					●						●										●	●
Abojet 8610-1,2,3	7											●										●	

AN = Anchoring
 AP = All-Purpose
 AS = Asphalt Repair
 BO = Bonding
 CO = Cold-weather Hardening
 FA = Fast Hardening

FL = Flexible
 HI = High-Temperature Resistant
 JO = Joint Sealing
 LA = Laminating
 LI = Liquid or Gel
 ME = Metal Repair

NO = New/Old Concrete Bonding
 PA = Paste or Putty
 PF = Patching/Filling
 RE = Resurfacing
 SC = Sculpting
 SD = Damp/Wet Surfaces Patching

SK = Skid-Proofing
 SL = Slump-Resistant
 ST = Structural Crack-Injection
 UN = Underwater Patching

Epotron 5™

All-purpose, high-strength epoxy adhesive for structural bonding.

Uses: Epotron 5 can be applied to bond ceramics, glass, metal, wood, stone, and most rigid surfaces, and is especially desirable for structural and laminating applications.

Features & Benefits: Epotron 5 has a high overall impact resistance. Excellent for both exterior and interior applications. Food grade.

Technical Characteristics: A 2-part thick liquid. Hardens at room temperature in about 8 hours. Apply with a brush, roller, or squeeze bottle. Transparent.

Tensile Strength583.49 Kg/cm² (8,300 Psi)
Compressive Strength871.7 Kg/cm² (12,400 Psi)
Viscosity18 poises

Aboweld 48-33™

All-purpose adhesive paste. Recommended for the widest range of architectural and maintenance uses.

Uses: Aboweld 48-33 is used for high-strength bonding and patching of structures, tools, tanks, bridges, bulkheads, tools, pipes, and sculptures. Suggested uses include bonding granite and marble to floors and walls, installing posts, railings, and pre-cast concrete slabs, and sealing underground structures against water seepage.

Features and Benefits: This versatile epoxy paste is easy to spread, resists sagging on vertical surfaces, and is unaffected by atmospheric conditions, soft and salt water, diluted acids, several solvents, oils, and greases.

Technical Characteristics: 100% epoxy solids. Ratios: 2/1. Pot Life: 2 hours. Hardening Time: 2-12 hours. Color: Gray

Tensile Strength421.8 Kg/cm² (6,000 Psi)
Flexural Strength562.4 Kg/cm² (8,000 Psi)
Compressive Strength843.6 Kg/cm² (12,000 Psi)
Hardness (Shore D)85

Aboweld 55-22™

Thixotropic, structural epoxy adhesive.

Uses: Aboweld 55-22 is ideal for bonding, filling, and patching stone, concrete, masonry, metal, ceramics, glass, fiberglass, and virtually all rigid surfaces.

Features & Benefits: Aboweld 55-22 is great for exterior and interior applications where a very strong bond is desired. Resists sagging on vertical surfaces. Solvent-free. Food grade.

Technical Characteristics: Apply and spread by brush, paint roller, trowel, or by squeegee. Vaseline-like consistency. Translucent. Hardens at room temperature in 1-18 hours. Pot life of 2-3 hours, depending on temperature. 2 component. Coverage: never less than 231 cubic inches per gallon.

Tensile Strength	.....576.5 Kg/cm ² (8,200 Psi)
Compressive Strength	.....878.8 Kg/cm ² (12,500 Psi)
Flexural Strength	.....674.9 Kg/cm ² (9,600 Psi)
Elongation	.....3.7%
Yield Modulus	.....4,300 Psi
Hardness Shore D	.....>80

Abocast 8005-6™

Bonds new concrete to old with a stronger-than-concrete bond between wet-poured concrete and old concrete. Makes it possible to resurface concrete with thin, light-weight layers of concrete and terrazzo.

Uses: Abocast 8005-6 is the bonding agent of choice for restoring bridges, runways, ramps, decks, driveways, and commercial and residential buildings, avoiding costly replacement.

Features & Benefits: Abocast 8005-6 is easy to apply with a brush or roller. Is outstanding for resurfacing floors and can be extended with fillers like sand, gravel, or chips. It is excellent for functional and decorative non-skid floors. Chemically resistant and easy to color.

Technical Characteristics: 100% epoxy solids. 7/3 ratio by volume. 30-40 minute working life. Hardens in 0.5-3 hours on wet or cold surfaces. Coverage: approximately 80 sq. ft. per gal. ASTM C881-78, Tp I, II, III, Grd 2, Cls B, C.

Abotar 8101-8™

Tar-epoxy compound for filling, patching, and resurfacing asphalt, tar, pitch, and harder surfaces.

Uses: Ship decks, runways, parking garages, commercial floors, industrial floors, wood floors, driveways, sidewalks, and roofs.

Features and Benefits: Provides controllable flexibility that is desirable where a first, soft layer is followed by harder layers. Is weather and waterproof. Resists acids, alkalis, and fuels. Contains no solvents. Sand or other aggregate can be added to expand the volume and enhance the coefficient of thermal expansion (an important advantage when patching large areas). expansion (an important advantage when patching large areas).

Technical Characteristics: 2-part, tar epoxy. Variable-ratio system. 100% solids. 1/1 or variable ratios. 50-90 minute pot life. Self-priming. Hardens in 1-16 hours. Hardness Shore D: 30-75 depending on ratios. Color: black. Application: brush or roll.

Rockweld 55-27™

Thixotropic epoxy putty that hardens to rock-like texture.

Uses: This structural adhesive putty has a slightly abrasive surface, and can be used for sculpting, repairing, and restoring stone, concrete, masonry, terra cotta, and ceramics.

Features and Benefits: Stone-like appearance when hard. Bonds to most rigid surfaces. Can be hand-shaped and sanded by hand or with mechanical tools. Can be painted, as well as colored with dry pigments. Chemically resistant. Unaffected by atmospheric conditions and water. Bonds to wet and dry surfaces. Shrink-free.

Technical Characteristics: Hardens in 2-4 hours at room temperature and much faster with heating. Thicker sections harden faster than thin layers. Apply with any blade-like tool. If a bead is needed, Rockweld can be dispensed from a caulking gun.

Tensile Strength	.....161.7 Kg/cm ² (2,300 Psi)
Compressive Strength	.....513.2 Kg/cm ² (7,300 Psi)
Flexural Strength	.....281.2 Kg/cm ² (4,000 Psi)
Elongation	.....2.8%
Hardness Shore D	.....80

Aboweld 8212-4™

Modeling structural adhesive putty for sculpting, repairs, and replacement in ceramics, stoneware and pottery.

Uses: Aboweld 8212-4 forms a permanent structural bond with ceramics, pottery, marble, glass, concrete, stone, metal, and masonry.

Features & Benefits: Aboweld 8212-4 hardens without shrinking and can be built-up several inches thick, by hand, like modeling clay. It will not slump or sag, is easy to color, and chemically resistant. Since it is much stronger and more impact resistant than concrete or marble, it is an excellent choice where other materials cannot be used because of fragility. Moreover, it is unaffected by atmospheric conditions, water, several solvents, oils, and grease. It can be reshaped or repaired by adding new material to the old.

Technical Characteristics: A 2-part epoxy compound. 1/1 ratio. Hardening time: 4-12 hours at room temperature. Color: off-white.

Metalfix-P™

Aluminum filled, structural adhesive putty. Patch, bond, resurface metal, structural components, patterns, molds, pipes, tanks, sculptures, and appliances. Forms a permanent bond with metals, ceramics, glass, fiberglass, and most materials.

Technical Characteristics: A:15 lbs/gal; B: 8lbs/gal; mixing ratios: A/B: 9/1 pbw (5/1 pbv); pot life: 1 hour; gray; machinable; corrosion resistant; versatile "metal plastics" alloy.

Aboweld 8708-2™

Fast-hardening, no-slump adhesive patching paste with almost the high strength and tenacious adhesion of Aboweld 55-1. It can be used for filling or sealing non-moving cracks and holes prior to injection.

Features & Benefits: Allows patched surfaces to be ready in 10-20 minutes.

Technical Characteristics: 100% solids. 1/1 ratio. 10-15 minute pot life. Hardens in 10-20 minutes. Gray (white/gray). ASTM C881, Tp.I, Grd 3, Clss B, C.

Aboweld 8101-5™

5-minute hardening, thixotropic epoxy adhesive. Preferred where a thicker adhesive is needed.

Uses: For repairs, assemblies, and laminations that require a quick hardening, vaseline-like adhesive. Bonds to most rigid surfaces including china, ceramics, metal, wood, marble, leather, and hard plastics. Widely used for installations, repairs, and maintenance, even in extremely cold environments.

Technical Characteristics: Tensile lap shear strength: 2,270 Psi. Gel time: 5 minutes. Hardening time: 5-8 minutes. Color: translucent. Hardness Shore D: 74.

Abocast 8012-9™

5-minute hardening, liquid epoxy adhesive.

Uses: Abocast 8012-9 is designed for repairs, assemblies, and laminations that require quick hardening. This honey-like adhesive bonds to most rigid surfaces including china, ceramics, metal, wood, marble, leather, and hard plastics. Because it hardens at freezing temperatures, it is widely used for installations, repairs, and maintenance in extremely cold environments.

Features and Benefits: Abocast 8012-9 hardens quickly, even in freezing temperatures. Will not become brittle. Weather and water resistant.

Technical Characteristics: Tensile lap shear strength: 2,280 Psi. Hardening time: 5 minutes. Pot life: 5 minutes. Color: clear. Available in cans and dual syringe cartridges. Hardness Shore D: 70-75.

Polyflex™

Fast hardening, flexible polyurea compound.

Uses: This versatile adhesive is used for bonding most rigid materials such as metals, ceramic, wood and hard plastics, fiberglass and leather. It is also used to install traffic markers, roof patching and concrete crack and joint filling. As it hardens even at freezing temperatures, it is widely used for installations, repairs and maintenance in extremely cold environments.

Features and Benefits: Polyflex cures in 1 to 10 minutes, has excellent adhesion, weather and water resistance, cures at temperatures as low as -20°F, and will resist temperatures up to 300°F. It is useful in areas that are continually wet. Elongation: 400%.

Requires dual barrel dispenser and static mixer.

Aboweld 8007-2™

Heavy-duty flexible sealant and joint filler.

Uses: Aboweld 8007-2 is ideal for filling joints and cracks in exposed structures such as bridges, docks, parking garages, driveways, and flat roofs. Also used for repairing cracks and joints between concrete and steel and installing and sealing bulkheads, windows, other framed openings, basin drains, and pipes.

Features and Benefits: can be applied to wet surfaces. Is weather and waterproof. Resists acids, alkalis, and fuels.

Technical Characteristics: 2-part, polysulfide/ epoxy compound provides high adhesion and medium flexibility (elongation 40%). Resin and hardener can be mixed in varying ratios to increase flexibility. Color: Gray. 100% solids. 1/1 ratio. 30-40 minute pot life. Hardens in 1-24 hours depending on mass and temperature. Hardens above 1° C and on damp surfaces. Thixotropic. Cured hardness Shore D <55. Tensile strength: 1900 Psi. ASTM C881-78, Tp I-III, Grd 3, B, C.

Aboseal 8104-12™

Flexible polysulfide-epoxy for sealing, filling and resurfacing. Primarily for strong adhesion in heavy-duty applications.

Uses: For demanding performance on ship decks, bulkheads, runways, parking garages, commercial floors, industrial floors, driveways, sidewalks, and also on asphalt surfaces.

Features & Benefits: Provides strong adhesion. Can be mixed with sand and gravel to make grouts. Thixotropic paste.

Technical Characteristics: 100% Solids. 2/1 ratios. 1 hour pot life. Cures in 1-3 days.

Tensile Strength14.8 Kg/cm² (200-220 Psi)
Elongation150-200%
Hardness Shore A57-60

Aboseal 6-6™

Heavy-duty epoxy expansion joint sealant. When performance matters, Aboseal 6-6 is outstanding.

Uses: Apply to concrete, wood, metal, composite materials, exterior/interior, to fill expansion joints and cracks.

Features and Benefits: 2-part epoxy with exceptional bond strength and flexibility. Available in 15 fl. oz. dual barrel cartridges. **Requires dual barrel dispenser and static mixer**

Technical Characteristics: Color: Gray.

Tensile Strength23 Psi
Elongation130%
Hardness Shore A68

The Abatron Abojet crack injection system is a proven method to restore monolithic integrity to a cracked structural element by injecting a structural adhesive epoxy compound (Abojet) into the crack to fill and "weld" it back together. Since Abojet bonds permanently and is stronger than concrete, the "welded" wall can be stronger than the original.

Uses: The Abojet series of resins is best known in the restoration of load-bearing walls, such as foundations. Its advantages are also obvious in restoring retaining walls, abutments, swimming pools, marine structures, dams, decks, silos, vaults, bridge piers, columns, domes, concrete pipes, tanks, elevators, sculptures, garages, structural and decorative components, and machinery and equipment supports. Although concrete is the material that is repaired in most cases, most rigid materials such as masonry, marble, stone, wood, ceramics, metals, stucco, and

gypsum can be restored with it just as well.

Features & Benefits: Where structural requirements cannot be compromised, the Abojet system is often the only dependable and cost-effective alternative to demolition. Crack-injection with the Abojet resins has also gained prominence in sealing foundations and other under-grade walls against water seepage.

The Abojet Crack Injection Process: An Abojet resin system consists of 2 solventless (100% solids, without volatiles) liquids packaged separately: resin (part A) and hardener (part B). When needed, A and B are mixed and the resulting blend is then injected into the crack or cavity. A reaction starts when A and B are mixed. The blend will harden within minutes or hours depending on the Abojet chosen. Before hardening the Abojet blend remains sufficiently fluid to be injected. The hardened system is dimensionally stable and virtually shrink-free. (Meets ASTM C881)

Typical Comparative Test Results:

	CONCRETE			ABOJET		
	Kg/cm ²	Mpa	Psi	Kg/cm ²	Mpa	Psi
Tensile strength	21,09	2,07	300	350-770	34,5-75,84	5000-11000
Flexural strength	35,15	3,45	500	350-914	34,5-89,6	5000-13000
Compressive strength	248,05	24,13	3500	114-112	55,1-110,3	8000-16000

Structural Crack-Injection Resins:

The following Abojet resins are available in premeasured cartridges and larger containers, unless otherwise specified.

Abojet-1: General-purpose for dry and wet surfaces. Medium viscosity (20 poises). Ratio A/B: 2/1. Available in cans only. ASTM C881, Tp I, Grd 2, C. IL. Dept. of Transportation. BSP-14.

Abojet-2: For freezing weather and underwater or wet surfaces. Low viscosity (<5 poises). Ratio A/B: 2/1. Available in cans only. Toxic. For exterior use only. ACI 503. ASTM C881-78. IL. Dept. of Transportation. BSP-14.

Abojet 8610-1: A standard for very thin cracks. Very low viscosity (<2 poises). Ratio A/B: 5/1.

Abojet 8610-2: Recommended for thin cracks [<0.25"(<0.5cm)]. Low viscosity (<5 poises). Ratio: A/B: 5/1.

Abojet 8610-3: Recommended for average cracks [<0.5"(<1cm)]. Medium viscosity (<15 poises). Ratio A/B: 5/1.

Abojet 8702-3: Recommended for wider cracks [>0.5 ">1cm)]. Higher viscosity (<60 poises). Ratio A/B: 5/1.

Abojet® Crack-Injection Method:

1. Clean the Crack. Ideally, the crack should be clean and dry. Use a water jet, compressed air, or a similar means to render the crack free and accessible. Widen the crack if necessary.

2. Seal the Crack. For best results, seal the crack along the backside of the wall with a paste like Aboweld 55-1 or Aboweld 8708-2 (see page 8). Then seal also the front side crack which will have injection ports. This will contain the Abojet injected from the front side.

3. Install Injection Ports. Starting at the bottom, insert 2-3 inch long pieces of copper tubing or plastic ports into the sealed crack on the front side of the wall. These should be inserted every 8-12 inches so that each can be used to inject the resin in the crack. Holes can be pre-drilled for inserting the ports. 1/16 inch plastic tubing, like cocktail sticks, can be inserted to hold the ports in place while the Aboweld hardens.

4. Inject Abojet. Inject the Abojet blend through the lowest port, until the resin starts oozing from the next port above it.

5. Crimp Port Shut. Crimp the lowest port shut to prevent resin back flow. Inject resin through the port above the crimped port, until the resin starts oozing from the next port above.

6. Continue Process. Continue injecting resin and crimping the ports until no more resin can be injected. The resin will weld with the surrounding material in a few hours.

The sealed surface on the wall can be sanded or otherwise finished. Sufficient structural strength will be reached within 1-4 days, depending on the temperature and bulk. (Warmer environments and thicker sections accelerate hardening.) Horizontal cracks can be filled by simply pouring or troweling. In these cases, ports and caulking guns may not be necessary.

Accessories:

Nozzles: Fit premeasured crack-injection cartridges. Necessary for dispensing crack-injection resins. Reusable.

Injection ports: Plastic tubes with metal bands that can be crimped to prevent flow of resins. Insert into vertical cracks to dispense crack-injection resins.



Abojet is available in convenience packaging.

The New Standards to Restore and Replace Wood

As specified by the U.S. Government, national restoration centers, museums, architects, contractors, and other professionals, Abatron's restoration materials handle virtually any wood repair problem. Results are guaranteed by years of unequalled performance and service.

LiquidWood®

Deep penetrating wood consolidant that regenerates and waterproofs rotted, dried-out, or spongy wood. Restores structural strength and integrity to wood fibers. The hardened mass can be sawed, planed, routed, carved, drilled, nailed, sanded, glued, and painted. LiquidWood is also a primer for WoodEpox.

Uses: window sills, thresholds, window and door frames, columns, stair steps, balustrades, floors, capitals, moldings, doors, shutters, indoor and outdoor furniture, archaeological and art restoration, boats, and mill-work of all kinds.

Features & Benefits: LiquidWood has exceptional adhesion, structural strength, versatility, permanence, dimensional stability, and water resistance. LiquidWood A and B are easy to use, are 100% reactive compounds, and contain no VOC's or noxious odors.

Technical Characteristics: Contents: LiquidWood consists of 2 clear, epoxy liquids: resin (A) and hardener (B). Application: pour or brush on the wood where it penetrates the fibers and hardens into a water-resistant, distortion-free, high-strength mass in hours or minutes. 100% solids. 1/1 ratio. 40 minute potlife.

Typical Test Results:				
Strength		Kg/cm ²	MPa	Psi
Tensile		103	10.1	1,460
Compressive		366	36	5,210
Flexural		63	6.2	900
Hardness, Shore D	42			
Elongation	84%			

WoodEpox®

Shrink-free adhesive **wood replacement compound** that can be used in any thickness in structural and decorative applications to replace, repair, extend, or fill wood and other materials.

Uses: WoodEpox is ideal for repairing, replacing, or adding to consolidated, rotted, dried-out or spongy wood. Use on window sills, thresholds, window and door frames, columns, stair steps, balustrades, floors, capitals, moldings, doors, shutters, indoor and outdoor furniture, archaeological and art restoration.

Features & Benefits: WoodEpox bonds permanently with high strength to most surfaces. It fills cracks, holes, and voids of any size without the shrinking and crumbling of common wood fillers.

WoodEpox can be painted, stained, wood-grained, sawed, nailed, planed, sanded, carved, and machined like wood. Contains no VOC's or noxious odors. Appearance is a light, neutral color that can be changed, while mixing with stains, dyes, or pigments. Has a no slump paste consistency that allows it to be applied like a putty to fill gaps, holes, or to build-up virtually any thickness and shape.

Technical Characteristics: Contents: WoodEpox is a light-weight epoxy adhesive system consisting of 2 components: resin paste (A) and hardener paste (B). Hardens within 1-2 hours. 100% solids. 1/1 ratio. 50 minute potlife.

Typical Test Results:				
Strength		Kg/cm ²	MPa	Psi
Tensile		176	17.5	1,790
Compressive		389.8	37.92	2,700
Hardness, Shore D	53-55			
Elongation	4%			



"Gold Coast" restoration, Chicago, IL.



U.S. Dept. of Agriculture Bldg., Washington, D.C.