

## TECHNICAL INFORMATION GUIDE

### Standard Cure Dual Color DC1000E Coating Resins Fast Cure Dual Color DC1000E Coating Resins

- **Overview**
- **Technical Data Sheets**
- **Picote Brush Coating™ Certified Installer Training**
- **ASTM Testing**
- **NSF 61.5 Certification**
- **Chemical Resistance**
- **SDS Sheets**



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To watch practical demonstration videos, take a course, or to download an electronic copy of these Instructions, please visit [www.picoteinstitute.com](http://www.picoteinstitute.com). Please note that videos and courses are not intended as a replacement or alternative to this operating and safety manual, but only as an additional learning tool.

## GENERAL INFORMATION / PRODUCT OVERVIEW

### PRODUCT DESCRIPTION:

This product has been created to renovate drains, sewers, water pipes, electrical conduits, heat and a/c ducts and more in concrete, PVC, fiberglass, clay, copper, cast iron, ductile iron, and steel pipes by brush casting a coating. The specially formulated coating resin forms a corrosion resistant or semi-structural repair inside the original pipe (depending on # of coats applied) that is a tested, safe and environmentally friendly product. The new pipe is corrosion resistant, anti-static, wear-resistant and non-corrosive. Thanks to a high breaking stretch, it also withstands shocks and bending.

### USES/BASIC METHODOLOGY:

- Extend the life span of the original pipe: The resin can be used to prolong the life of an existing pipe. Clean the pipe well. Apply 2 or more (0.5-0.7mm/coat) layers of the DC1000E resin.
- The new slick inner surface will increase the flow inside the pipe minimizing the risk of blockages.
- Create a new semi-structural pipe: Apply multiple coats of the resin (use design calculator based on pipe diameter found in the manual or later in this document) to form a seamless new pipe with a 2-4mm wall thickness depending on the pipe diameter. Estimated 30-50 year design life when using Semi-Structural Design Specifications based on pipe diameter.

### BENEFITS FOR CONTRACTORS:

Extend the service life of a pipe, stop corrosion, create a new pipe, "patch" on top of CIPP liners and fortify connections\*. Apply to small areas or all drains in multi-story buildings. The Picote Coating™ System is affordable, practical and easily fits in tight places.

### BENEFITS FOR PROPERTY OWNERS:

Customers can stay at home or keep business open during drain renovation. A greener alternative eliminating the need to destroy existing walls, gardens or sidewalks, the no-dig solution reduces waste produced at job sites. Interruptions to traffic are also minimized. All materials used are non-toxic.

### HOW LONG WILL THE PIPE BE OUT OF SERVICE?:

Dry to touch in 3 hours with ambient cure.

Return to Service/Light Wear: 4 hours.

Final Hardness: 24 hours.

Full service can be restored 4 hours after last coat has been applied (24hrs for potable)

### TYPES OF PIPE:

Suitable for concrete, PVC, fiberglass, clay, copper, cast iron, ductile iron, and steel pipes. Preparation of the coating surface is dependent on the material of the pipe. Please see corresponding Picote Operation & Safety Manual.

### OPERATIONAL SETUP:

The Picote Brush Coating™ System and DC1000E Resin is powered by the Picote Millers. The Mini or Maxi Coating Pump is conveniently set on the top of the Miller. Picote Millers can also be used for pipe preparation, drain cleaning and reinstatements on lateral connections. The system is practical and easy to keep clean.

*\*Ensure that materials are compatible and the surface is properly prepared.*

## TECHNICAL DATA SHEET

<b>GENERAL DESCRIPTION</b>	DC1000E 100% Solids Epoxy Dual component epoxy used to rehabilitate concrete, PVC, fiberglass, clay, cast iron and ductile iron pipes. Creating a monolithic corrosion barrier or semi-structural repair of decayed and damaged pipes. Designed exclusively for the Picote Brush Coating™ System.
<b>NUMBER OF COMPONENTS</b>	2
<b>MIX RATIO</b>	2:1 mix ratio by volume in pre-packaged cartridges.
<b>PACKAGE SIZES</b>	6x900ml: 2-part cartridges with 6 cartridges in each case.
<b>NET WEIGHT</b>	11.7 lbs/Gallon (1.2kg/Litre).
<b>PIPE DIAMETER RANGE</b>	1¼-12" (DN32-300) pipes.
<b>WORKING METHOD</b>	Coating applied with brush.
<b>COLOR USAGE</b>	Contrasting colors (White & Gray or White & Blue) between coats.
<b>APPLICATION EQUIPMENT</b>	Picote Brush Coating™ System using Mini or Maxi Coating Pumps and Picote Millers.
<b>LEVELING</b>	Product is self leveling.
<b>GAS EMISSIONS</b>	No harmful VOCs released during mixing or after hardening (VOC free).
<b>DRY CONTENT/SOLIDS</b>	100% solids (no solvents).
<b>FLASH POINT</b>	392°F (200°C).
<b>GLOSS</b>	Semi-gloss.
<b>THINNER</b>	Not used.
<b>SHRINKAGE</b>	100% Solids, does not shrink.
<b>HUMIDITY</b>	Hydrophobic, repels water.
<b>UV RESISTANCE</b>	Direct sunlight can alter color of coating.
<b>STATIC/CONDUCTIVITY</b>	Electrical insulating material, does not conduct electricity and is anti-static.
<b>SURFACE PREPARATION</b>	All surfaces to be coated must be dry and clean, free from oil, grease, debris and other contaminants. <b>Concrete:</b> must be jetted and cleaned removing any loose concrete. <b>Steel/Ductile Iron:</b> Near-White SSPC-SP10/NACE 2. Acceptable methods: sand blast, chain flail, or Picote Smart Cutter™ and Side Grinding Panels <b>Stainless Steel:</b> Nace No. 1/SSPC SP-5 White Metal Blast cleaning is needed and is beyond the capability of Picote cleaning tools. White metal blast cleaning is to be used to clean unpainted or painted steel surfaces prior to applying high-performance protective coating or lining systems. SSPC-SP 5/NACE No. 1 removes all visible oil, grease, dust, dirt, mill scale, rust, coating, oxides, corrosion products, and any other foreign matter on the surface.
<b>POT LIFE</b>	Mixed resin about 25 min @70°F (21°C).
<b>RATE OF COVERAGE</b>	See Picote Resin Calculator ( <a href="http://www.picoteinstitute.com">www.picoteinstitute.com</a> ) Average expected application per coat: Approximately 27 mils (.7mm) Minimum expected application per coat= 10 mils (0.3mm) Maximum expected application per coat= 20-40 mils (0.5-1mm)

## TECHNICAL DATA SHEET

### NUMBER OF COATS

Number of coats required is dependent on pipe diameter and rehabilitation goal  
Estimated 30-50 year design life when using Semi-Structural Design Specifications.  
Resistance to High Pressure Water Jetting:

- Minimum 4 coats need to be applied.
- Maximum Jetting Pressure: 2600 PSI (180 Bar).
- Corrosion Resistance: After cleaning metal pipes, corrosion will come back even quicker without coating

Pipe Diameter	# of Coats for Corrosion Resistance	# of Coats for Semi Structural
1¼" (DN32)	2	2
1½" (DN40)	2	2
2" (DN50)	2	2
3" (DN70)	2	2
4" (DN100)	2	3 to 4
6" (DN150)	2 to 3	4 to 5
8" (DN200)	3 to 4	5 to 6
9" (DN225)	4 to 5	6 to 7
10" (DN250)	4 to 5	7 to 8
12" (DN300)	5 to 6	8 to 9

### RESIN CALCULATOR:

The Picote DC1000E Resin Calculator is an Excel spreadsheet that can be downloaded from the Picote Institute online learning platform at [picoteinstitute.com](http://picoteinstitute.com). It calculates project resin usage based on pipe diameter, number of coats, and length of repair.

### HARDENING/CURE TIME

Recoat: 3 hours @70°F (21°C).  
Restore flow: 4 hours (24hrs for potable water projects) @70°F (21°C).  
Final Cure: 24 hours @70°F (21°C).

### RECOAT

Can be recoated within 12 hours without additional pipe preparation.  
After 12 hours must be abraded with Picote Smart Cutter™ Side Grinding Panels.

### TEMPERATURES

Installation: 50-140°F (10-60°C).  
Storage: Room Temperature 60-95°F (15.5-29°C) .  
Finished Product:

- Max: up to 180°F (82°C) in most commercial hot water applications.
- Min: 40°F (4.5°C). in standard water applications.

### NSF/ANSI 61.5 TESTING:

#### NSF/ANSI 61.5 Certification:

Product certified to NSF/ANSI 372 conforms to the requirements or "Lead Free" plumbing products as defined by California, Vermont, Maryland and Louisiana. Standard: NSF/ANSI 61 Section 5 - 2016. Models: DC1000E, Color: White. Picote's 100% Solids Epoxy Resin, DC1000E, is certified for potable water pipes (DN100) 4" and above. Final coat must be in White.

## TECHNICAL DATA SHEET

### MECHANICAL TESTING:

#### ASTM Testing:

Tensile Strength	D638-14	2,979 PSI
Compression Strength	D695-15	9,570 PSI
Flexural Modulus	D790-15e2	430 KSI
Flexural Strength	D790-14e2	6,080 PSI
Adhesive Strength	D4541	Substrate failure
Adhesion Strength Metal:	803 PSI with static mixing tip	
Adhesion Strength Concrete:	100% concrete breakage when pulled away.	

### SHELF-LIFE

Unopened: 24 months from date of manufacture when stored according to recommended conditions.  
Opened: up to 6 weeks.

### STORAGE TEMPERATURE

60-85°F (15.5-29°C)

### CLEAN UP

Clean brush and pump hose fittings using acetone. Dispose of delivery & pump hose.  
**REFER TO SAFETY DATA SHEET FOR SAFETY AND HEALTH INFORMATION.**

### INDUSTRIAL SAFETY

Ready-measured product must not be in contact with skin (it adheres)

### SAFETY DATA SHEET (SDS)

Available via QR code on resin packaging as well as online at [www.picoteinstitute.com](http://www.picoteinstitute.com) in Picote DC1000E Resin Technical document.

### SHIPPING

The two part resin is packaged in sealed tubes. Suggested storage at room temperature and in accordance with the guidelines in Technical Data Sheet.

### TECHNICAL ENQUIRIES

Ryan Boldan, Global Learning Solutions Dir. 1 (864) 940-0088  
[ryan@picotesolutions.com](mailto:ryan@picotesolutions.com)

Richard Swan, Director of Client Technical Services 44 (0) 782 722 3237  
[richard@picotesolutions.com](mailto:richard@picotesolutions.com)

## PICOTE BRUSH COATING™ CERTIFIED INSTALLER TRAINING

### TRAINING CENTRES:

- Phoenix, Arizona, USA
- Porvoo, Finland
- Sandhurst, England, UK



Picote Certified Installer Training for Picote Brush Coating™ is highly recommended to get the most out of your investment and provide the highest quality finished results

For Picote Brush Coating™ Certified Installer Training you will receive a Picote ID Card for completion (UK only), which can be used for the tendering process and on site.

Certificates are awarded for all certification trainings.

Visit our website at [www.picotegroup.com](http://www.picotegroup.com) or contact us at [training@picotesolutions.com](mailto:training@picotesolutions.com) to find out about course offerings, pricing, and scheduling.

## 10 YEAR WARRANTY\*

When using the Picote Brush Coating™ System as an option for semi-structural pipe rehabilitation you are providing a solution that can last 30-50 years. When you successfully complete Picote Certified Installer Training you will be able to offer a 10 year warranty on the Picote DC1000E Epoxy Resin when you meet the outlined criteria. This provides assurance for the end-user as well as an advantage when you tender for work.

\*Terms & conditions apply, ask for details.



## NSF 61.5 CERTIFICATION



**ALS Group USA, Corp.**

3337 Michelson Drive, Suite CN750, Irvine, CA 92612

### Certified Product Listing

**For:**

Drinking Water System Components – Health Effects

**Company:**

Picote Solutions, Inc.  
20810 SE 18th Place  
Sammamish, WA 98075, United States

**Plant Location:**

Sandy, UT, United States

**Standards:**

NSF/ANSI/CAN 61 - 2020

**Certificate:**

Issued Date: 03/29/2017

**Material/Product:**

Coatings

**Contact Temperature:**

23 ± 2°C

**Models:**

DC1000E

A handwritten signature in black ink, appearing to read 'Zhang'.



Product certified to NSF/ANSI/CAN 372 conforms to the requirements for "Lead Free" plumbing products as defined by California, Vermont, Maryland and Louisiana state laws and by section 1417 of the US SDWA.

ALS Group's Product Certification Listing directory contains the most current certified product(s) and supersedes all printed copies of the listings.

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## NSF 61.5 CERTIFICATION



**ALS Group USA, Corp.**

3337 Michelson Drive, Suite CN750, Irvine, CA 92612

### Material Characteristics:

Minimum pipe diameter (inches): 4

Maximum pipe surface area/volume ratio (sq in/L): 61

Minimum tank size (gallons): 50

Maximum tank surface area/volume ratio (sq in/L): 16.8

Maximum dry film thickness per coat (mils): 125

Number of coats: 1

Is additional coating required (e.g. top coat, primer, intermediate coat)? (Y/N): No

Total cure time and temperature: 4 days @ 70°F

Shortest cure time between coats or layers: 2 hours

Final cure time: 4 days @ 70°F

Mix ratio: 2:1

Colors: White

Is this paint/coating system intended to be applied to a pipe? (Y/N): Yes

(1) Certified for use on a new pipe? (Y/N): Yes

(2) Certified for use on a pipe intended for immediate return to service? (Y/N): No

Additional comments:

Flushing or preparation instruction prior to use:

a) Flushing Time: General Flush at 15 minutes

b) Temperature of Flush:  $23 \pm 2$  °C



Product certified to NSF/ANSI/CAN 372 conforms to the requirements for "Lead Free" plumbing products as defined by California, Vermont, Maryland and Louisiana state laws and by section 1417 of the US SDWA.

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## ASTM TESTING

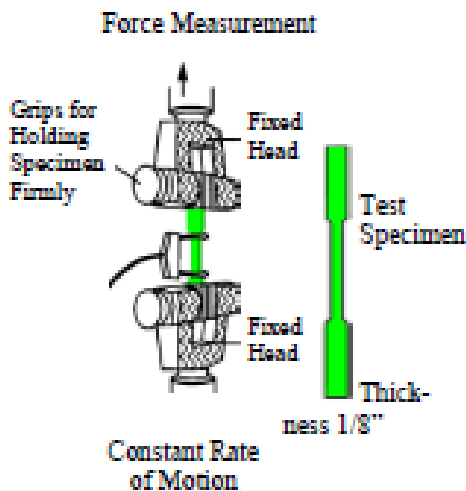
### TESTED PRODUCT: Picote Dual Color Epoxy

### TEST 1

A total of four tests were performed including:

1. Tensile Strength
2. Compression Strength
3. Flexural Modulus
4. Coating Pull Off Strength.

#### TEST 1: ASTM D638-14 "Tensile Strength"



A piece of finished product, with a maximum thickness of .125-inches, is machined into a dog-bone shape. Each end of the test specimen is placed in opposite facing clamps which then attempt to pull it apart.

The PSI that it takes to break the specimen is calculated as "Tensile Strength at the Break". The "Tensile Elongation at the Break" is an additional measurement that shows how much the product stretches during this test. The "Tensile Modulus" is a measure taken to test rigidity. All of these measurements make up the "Tensile Strength" test. The D638-14 test would simulate separating pipe joints and the effect that would have on the product in question.

#### TEST 1 RESULTS: Picote Epoxy Coating Tensile Test

Test Method:	ASTM D638-14
Test Conditions:	23±2°C, 50±10% R.H.
Conditioning:	40+ hours, 23±2°C, 50±10% R.H.
Preparation:	Machined from sample sent by client
Specimen:	Type I tensile bars (2-inch gage length)
Cross Head Speed:	0.2-inches per minute

Sample	Replicate	Width (inches)	Thickness (inches)	Tensile Strength at Break (psi)	Tensile Elongation at Break (%)	Tensile Modulus at Young's (ksi)
P/N Picote Dual Coat 1000E*						
		0.5117	0.2209	2970	0.62	586
Requirement				n/a	n/a	n/a

\*Picote Dual Color Epoxy 2110001001

## ASTM TESTING

### TESTED PRODUCT: Picote Dual Color Epoxy

### TEST 2

A total of four tests were performed including:

1. Tensile Strength
2. Compression Strength
3. Flexural Modulus
4. Coating Pull Off Strength.

#### TEST 2: D695-15 "Compression Strength"



A sample of the product at approximately .25-inches is laid flat and a machine pushes down on the specimen until it begins to compress. The PSI it requires to shear the sample is its "Compression Strength". The amount it swells when the pressure is applied is also measured.

This test will show how well the product can sustain loads. Please note: This test does not measure the Compression Strength of the cylinder that is created by the product inside the pipe.

#### TEST 2 RESULTS: Picote's Epoxy Coating Compressive Test

Test Method:	ASTM D695-15
Test Conditions:	23±2°C, 50±10% R.H.
Conditioning:	40+ hours, 23±2°C, 50±10% R.H.
Preparation:	Machined from sample sent by client
Specimen:	Prism (1.0-inch length)
Cross Head Speed:	0.05 inches per minute

Sample	Replicate	Width (inches)	Thickness (inches)	Compressive Strength at Yield (PSI)
P/N Picote Dual Coat 1000E*				
		0.5260	0.2302	9570
Requirement				n/a

\*Picote Dual Color Epoxy 2110001001

## ASTM TESTING

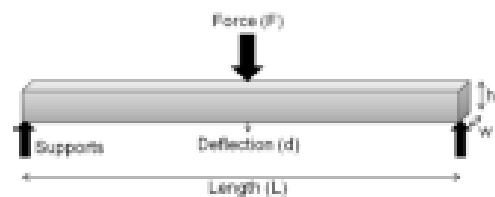
### TESTED PRODUCT: Picote Dual Color Epoxy

### TEST 3

A total of four tests were performed including:

1. Tensile Strength
2. Compression Strength
3. Flexural Modulus
4. Coating Pull Off Strength.

#### TEST 3: D790-15e2 "Flexural Modulus"



This test is used to measure the horizontal strength of the material. Supports are placed under the sample at each end, and then a piston drives down at the center. The force to drive down and the amount of deflection are measured to come up with the specimen's "Flexural Modulus".

This test would simulate areas in a coated pipe that are being subjected to uneven stress.

#### TEST 3 RESULTS: Picote's Epoxy Coating Flexural Test

Test Method:	ASTM D790-15e2, Procedure A
Test Conditions:	23±2°C, 50±10% R.H.
Conditioning:	40+ hours, 23±2°C, 50±10% R.H.
Preparation:	Machined from sample sent by client
Support Span:	3.641 inches
Cross Head Speed:	0.090 inches per minute

Sample	Replicate	Width (inches)	Depth	Flexural Strength at Break (PSI)	Flexural Modulus (KSI)
P/N Picote Dual Coat 1000E*					
	2	0.5117	0.2142	6080	418
Requirement					

\*Picote Dual Color Epoxy 2110001001

## ASTM TESTING

### TESTED PRODUCT: Picote Dual Color Epoxy

### TEST 4

A total of four tests were performed including:

1. Tensile Strength
2. Compression Strength
3. Flexural Modulus
4. Coating Pull Off Strength.

#### TEST 4: D4541-09 "Coating Pull Off Strength"

In this test, a dolly is glued to the epoxy and allowed to cure. The sample is then cored using a hole saw. A device with a piston is attached that pulls away from the substrate until it breaks.



This test can look for two different outcomes depending upon the substrate used. When a brick or concrete substrate is used in a real-world application, it is testing whether or not that substrate breaks before the coating (product) does. If steel were to be used, however, the coating will always break before the substrate, so the PSI is also measured at the time of the break.

The D4541-09 test simulates a pipe (that has been coated with the product) breaking, failing, or becoming compromised in any way and how well the material would hold up and stay adhered under those circumstances.

#### TEST 4 RESULTS: Picote's Epoxy Coating Pull-off Strength Test

Test Method:	ASTM D4541-09
Test Conditions:	23±5°C, 50±35% R.H.
Conditioning:	As sent by client
Preparation:	Coating as sent by client.
Specimen:	Loading fixture glued to coating
Instrument:	Fixed alignment test modified to use a tensile tester
Cross Head Speed:	0.2 inches per minute

## ASTM TESTING

### TEST 4 RESULTS: Picote's Epoxy Coating Pull-off Strength Test continued

Sample	Replicate	Loading Fixture Diameter (inches)	Pull-Off Strength (psi)	Failure Mode
P/N Picote Dual Coat 1000E – Brick Substrate				
		0.500	>700	1-10% Coating Failure
P/N Picote Dual Coat 1000E – Metal Substrate				
		0.500	>803	1-10% Coating Failure
P/N Picote Dual Coat 1000E – Concrete Substrate				
		0.500	>798	0.1-1% Coating Failure
Requirement			n/a	

\*Picote Dual Color Epoxy 2110001001

## CHEMICAL RESISTANCE

### CHEMICAL RESISTANCE DC1000E

Acetic Acid (20%)	Excellent	Ferric Chloride	Excellent (temperature < 72oF, 22oC)
Acetone	Not Recommended	Ferric Sulfate	Excellent (temperature < 72oF, 22oC)
Acetylene	Excellent	Ferrous Chloride	Excellent (temperature < 72oF, 22oC)
Alcohol - Ethyl	Excellent (temperature < 120oF, 50oC)	Ferrous Sulfate	Excellent (temperature < 72oF, 22oC)
Alcohol - Isopropyl	Excellent	Fluorine gas	Note Recommended
Alcohol - Methyl	Good (temperature < 72oF, 22oC)	Fluosilicic acid	Fair
Aluminum Chloride	Excellent (temperature < 72oF, 22oC)	Formaldehyde, 40%	Excellent (temperature < 72oF, 22oC)
Aluminum Fluoride	Good (temperature < 72oF, 22oC)	Formic Acid	Fair (temperature < 72oF, 22oC)
Aluminum Hydroxide	Good (temperature < 72oF, 22oC)	Freon	Excellent
Aluminum Sulfate	Excellent (temperature < 72oF, 22oC)	Gasoline	Excellent
Amines	Excellent (temperature < 72oF, 22oC)	Glucose	Good
Ammonia - Liquid	Excellent (temperature < 72oF, 22oC)	Glycerine	Excellent
Ammonia 10%	Excellent (temperature < 72oF, 22oC)	Heptane	Excellent
Ammonium Carbonate	Excellent (temperature < 72oF, 22oC)	Hexane	Good
Ammonium Chloride	Excellent (temperature < 72oF, 22oC)	Hydraulic Fluid	Excellent
Ammonium Hydroxide	Excellent (temperature < 72oF, 22oC)	Hydrobromic Acid, 100%	Not Recommended
Ammonium Nitrate	Excellent (temperature < 72oF, 22oC)	Hydrochloric acid, 20%	Good (temperature < 72oF, 22oC)
Ammonium Phosphate	Excellent (temperature < 72oF, 22oC)	Hydrocyanic Acid	Excellent
Ammonium Sulfate	Excellent (temperature < 72oF, 22oC)	Hydrofluoric Acid, 75%	Good (temperature < 72oF, 22oC)
Amyl acetate	Excellent (temperature < 72oF, 22oC)	Hydrogen Peroxide, 10%	Fair (temperature < 72oF, 22oC)
Aniline	Fair (temperature < 72oF, 22oC)	Hydrogen Sulfide	Excellent
Barium Carbonate	Excellent (temperature < 72oF, 22oC)	Jet Fuel	Excellent
Barium Chloride	Excellent (temperature < 72oF, 22oC)	Kerosene	Excellent
Barium Hydroxide	Excellent (temperature < 72oF, 22oC)	Lactic Acid	Good (temperature < 72oF, 22oC)
Barium Sulfate	Fair (temperature < 72oF, 22oC)	Lead acetate	Excellent
Barium Sulfide	Good (temperature < 72oF, 22oC)	Magnesium Carbonate	Excellent
Beer	Excellent (temperature < 72oF, 22oC)	Magnesium Chloride	Excellent
Benzol	Excellent (temperature < 72oF, 22oC)	Magnesium Hydroxide	Excellent
Borax	Excellent (temperature < 72oF, 22oC)	Magnesium Nitrate	Excellent
Boric acid	Excellent (temperature < 72oF, 22oC)	Magnesium Sulfate	Excellent
Bromine	Excellent (100 ppm)	Maleic Acid	Excellent
Butadiene gas	Excellent (temperature < 72oF, 22oC)	Mercury	Excellent
Butane gas	Excellent (temperature < 72oF, 22oC)	Methyl Ethyl Ketone	Fair (temperature < 72oF, 22oC)
Butyl acetate	Good (temperature < 72oF, 22oC)	Naphtha	Excellent
Butaric Acid	Fair (temperature < 72oF, 22oC)	Naphthalene	Excellent
Calcium Bisulfite	Excellent (temperature < 72oF, 22oC)	Nickel Chloride	Excellent
Calcium Carbonate	Excellent (temperature < 72oF, 22oC)	Nickel Sulfate	Excellent
Calcium Chloride	Excellent (temperature < 72oF, 22oC)	Nitric Acid 5%	Good
Calcium Hydroxide	Excellent (temperature < 72oF, 22oC)	Oil - Castor	Excellent
Calcium Hypochlorite	Excellent (temperature < 72oF, 22oC)	Oleic acid	Excellent
Calcium Sulfate	Excellent (temperature < 72oF, 22oC)	Oxalic Acid	Excellent
Carbon dioxide gas	Excellent (temperature < 72oF, 22oC)	Phenol	Good
Carbon Tetrachloride	Excellent (temperature < 72oF, 22oC)	Phosphoric Acid	Good
Carbonic Acid	Good (temperature < 72oF, 22oC)	Picric Acid	Excellent
Citric Acid	Excellent (temperature < 72oF, 22oC)	Potassium Bicarbonate	Excellent
Copper Chloride	Excellent	Potassium Bromide	Excellent
Copper Nitrate	Excellent (temperature < 72oF, 22oC)	Potassium Carbonate	Excellent
Dichloroethane	Good (temperature < 120oF, 50oC)	Potassium Chloride	Excellent
Diesel Fuel	Excellent (temperature < 72oF, 22oC)	Potassium Dichromate	Fair
Ethyl acetate	Fair (temperature < 72oF, 22oC)	Potassium Hydroxide	Excellent
Ethyl chloride	Excellent (temperature < 72oF, 22oC)	Potassium Nitrate	Excellent
Ethylene glycol	Fair (temperature < 72oF, 22oC)	Potassium Sulfate	Excellent
Fatty Acids	Excellent (temperature < 72oF, 22oC)	Propane, liquid	Excellent



## CHEMICAL RESISTANCE

### CHEMICAL RESISTANCE DC1000E

Propane, liquid	Excellent
Silver Nitrate	Excellent
Soaps/DETERGENT	Excellent
Sodium Acetate	Excellent
Sodium Bicarbonate	Excellent
Sodium Bisulfate	Excellent
Sodium Carbonate	Fair (temperature < 72oF, 22oC)
Sodium Chlorate	Excellent
Sodium Chloride	Excellent
Sodium Cyanide	Excellent
Sodium Fluoride	Excellent
Sodium Hydroxide, 10%	Excellent
Sodium Hydroxide, 50%	Good (temperature < 120oF, 50oC)
Sodium Hypochlorite, 100%	Not Recommended
Sodium Nitrate	Excellent
Sodium Silicate	Excellent
Sodium Sulfate	Excellent
Sodium Sulfite	Excellent
Sodium Thiosulfate	Excellent
Stannic Chloride	Excellent
Stearic Acid	Good
Sulfuric Acid, 20%	Excellent
Sulfuric Acid, 75-100%	Fair (temperature < 72oF, 22oC)
Sulfur Dioxide	Excellent (temperature < 72oF, 22oC)
Tannic Acid	Excellent
Tartaric Acid	Excellent
Toluene	Good (temperature < 72oF, 22oC)
Turpentine	Good
Urine	Excellent
Vinegar	Excellent
Water - Distilled	Excellent
Water - Fresh	Excellent
Water - Sea, Salt	Excellent
Xylene	Excellent
Zinc Chloride	Excellent

## SDS SHEETS (US)



DC1000E  
White Epoxy Kit



DC1000E  
Grey Epoxy Kit



DC1000E  
Blue Epoxy Kit



DC1000E  
Fast Cure White  
Epoxy Kit



DC1000E  
Fast Cure Grey  
Epoxy Kit



DC1000E  
Fast Cure Blue  
Epoxy Kit

## SDS SHEETS (Europe/ROW)



DC1000E  
White Epoxy Kit



DC1000E  
Grey Epoxy Kit