

Clearwater Finish

APPLI CATIONS

- Floors
- Anti-graffiti barrier
- Airplane hangers
- Schools
- Hospitals
- Hotels
- Epoxy floors
- Wood

FEATURES AND BENEFITS

- Similar properties to solvent based polyurethane without the odor
- Excellent UV resistance
- Excellent chemical resistance
- Single coat application
- Low odor
- Low VOC's
- High-gloss

- Definite pot life

PRODUCT PROFILE

GENERIC DESCRIPTION Clearwater Finish is a two part low VOC waterborne polyurethane exhibiting excellent chemical resistance, high gloss, and excellent abrasion resistance. Properties are similar to high performance solvent based polyurethanes. The pleasant odor makes it ideal for indoor use such as schools, hospitals and hotels. Clearwater finish is also excellent for surfaces where abrasion resistance and UV protection are required. Can be applied in a single thick film thus saving production time.

COLORS Clear

FINISH Gloss and Satin

COATING SYSTEM

PRIMERS Contact Gemstone Systems, Inc. Technical Representative

SURFACE PREPARATION

ALL SURFACES	Concrete surfaces must be clean, sound with no standing water. Contact a Gemstone Systems, Inc. technical expert for additional information. Refer to industry organizations such as SSPC, NACE, and ASTM for additional information regarding concrete surface preparation.
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10640 – 47 th Street North
 Clearwater, FL 33762

800-969-1998 / fax: 727-547-0208

www.gemstoneinc.net

Clearwater Finish

TECHNICAL DATA

VOLUME SOLIDS 44%

RECOMMENDED DFT	2-4 mils			
CURING TIME	Temperature/Relative Humidity	To touch	To Handle	Full Cure
	77° F / 75%	4 hours	6 hours	7 Days
	Dry times and recoat times will vary depending upon temperature, humidity and ventilation. Use this as a guideline.			
POTLIFE	2 hours			
VOLATILE ORGANIC COMPOUNDS	<100 g/l (0.83 lbs./gal)			
THEORETICAL COVERAGE	WFT: 4.5-9 mils, DFT 2-4 mils, 200-400 sq. ft./gal.			
NUMBER OF COMPONENTS	2: Part A and Part B			
MIXING RATIO	3:1 by volume			
APPLICATION TEMPERATURE	50°F to 95°F			
PACKAGING	1 gallon and 4 gallon kits.			
SHIPPING INFORMATION	DOT non-regulated.			
STORAGE TEMPERATURE	50°F to 100°F DO NOT ALLOW TO FREEZE			
SHELF LIFE	12 months in unopened container.			
TEST DATA	Accelerated QUV, Bulb A, ASTM 6695C1, 2500 hours			
	Delta E Change:	no change		
	Delta Gloss Retention:	no change		
	Pendulum Hardness:			
	ANS/ISO 1522:	180 seconds		
	Taber Abrasion:			
	ASTM D4060 CS-17 wheel	33 mg		
	Impact Resistance: ASTM D2794			
	Direct:	80 inch pounds		
Indirect:	140 inch pounds			

HEALTH AND SAFETY See MSDS

APPLICATION GUIDELINES

Mix Part A and Part B using a jiffy mixer at low speed for a period of 2 minutes. Apply using a brush, short nap roller, or spray equipment at a wet thickness of 4 mils to 6 mils per coat. If the coating is applied too thick foaming will occur. Use minimal back rolling otherwise micro bubbles may form. Allow to become tack free prior to applying the second coat. Wait until the coating becomes hard before putting it back in service. DO NOT ALLOW TO FREEZE. DO NOT APPLY BELOW 50°F.

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PRECAUTION

Do not add water otherwise there may be loss of gloss.

CLEAN UP/DISPOSAL

Clean with soap and water. Do not use hydrocarbon solvents. Containers should be disposed of according to local, state and federal laws.

CHEMICAL RESISTANCE

Covered Spot Test ASTM D 1308

10% Acetic acid	No Effect	DI Water	No Effect
10% Sulfuric acid	No Effect	10% Bleach	No Effect
10% Hydrochloric acid	No Effect	Gasoline	No Effect
14% Ammonium Hydroxide	No Effect	Brake Fluid	No Effect
50% Sodium Hydroxide	No Effect	Transmission Fluid	No Effect
Isopropanol	Slightly Soft	Skydrol	No Effect
Methyl ethyl ketone	Soft		

WARRANTY:

The technical data and any other printed information furnished by Gemstone Systems, Inc. is true and accurate to the best of our knowledge. CLEARWATER FINISH conforms to in-house quality control procedures and should be considered free of defects. Due to the wide range of applications of this product, it is impossible to assume responsibility for any errors in regard to application, coverage, workmanship, over-spray, or injuries resulting from the use of this product. Liability, if any, for this product will be in the form of replacement materials. The possibility exists to warrant this product on a specific application basis under specific written application instructions from Gemstone Systems, Inc.