



Product Technical Data Sheet

GLAZETOP®

1. PRODUCT DESCRIPTION

A. COMPOSITION

Glazetop is a state of the art, high solids, and UV stable, aliphatic elastomeric polyaspartic coating. Polyaspartics are a sub-class of polyureas. Glazetop displays a low odor during placement and cure. It offers fast turnaround times. Glazetop working time is 25 minutes with a hard dry in 8-12 hours at 75°F (24°C). It is available in clear (Glazetop Clear) and pigmented (Glazetop Tint Base). Glazetop's properties make it one of the very best sealers for maintaining and preserving elaborate decorative finishes. Glazetop is extremely color stable and displays excellent UV weathering characteristics.

B. TYPICAL USES

Glazetop can be used in conjunction with many substrates including cementitious polymer modified overlays, concrete, steel and resinous floors:
cold storage areas,
food service preparation areas,
beverage service areas,
decorative entry foyers,
high traffic areas,
parking decks,
promenade decks and roof decks

C. ADVANTAGES

1. Low odor.
2. High elongation.
3. High tear strength.
4. Excellent abrasion resistance.
5. Displays excellent UV resistance.
6. High gloss finish.
7. Available through Miracote distributors.

2. TYPICAL PHYSICAL PROPERTIES at 75°F (24°C)

- A. Tear Strength ASTM D624, Die C 900 lbs/in
- B. Flexibility ASTM D1737 Passes
180 degree bend, 1/8" Mandrel
- C. Tensile Strength ASTM D412 2,400 psi
- D. Tensile Elongation ASTM D412 100%
- E. Taber Abrasion ASTM D4060 8 mg loss
(CS17 Wheel, 1000g Load, 1000 Cycles)
- F. Impact Resistance ASTM D2794, Direct 160in/lbs
Reverse 160in/lbs
- G. Hardness ASTM D2240 Shore A 85-90
- H. Solid Percent by Weight (mixed) 91%
- I. Solid Percent by Volume (mixed) 89%
- J. Gloss ASTM D523 90+
- K. Mix ratios: Clear 2 : 1, by vol.
Tint Base, w/ Colorpax U 1.75 : 1, plus
0.25 Colorpax U, by vol.
- L. Dry Time 50% relative humidity Surface Dry 4.0 hrs
Hard Dry 6.0 hrs
- M. Pot Life 50% relative humidity 25 min
- N. Coefficient of Friction ASTM D2047 0.67 dry
0.82 wet

O. Microbial Resistant ASTM G21 Passes

P. Chemical Resistance Test Procedures

The tabulation of chemical damage is intended as a general guide only. Much more extensive tables of chemical resistance are available from Crossfield, including tests conducted on reagents at higher temperatures, etc. The Crossfield laboratories are available to conduct specialty testing on particular chemicals under simulated service conditions. (See Chemical Resistance Chart)

CHEMICAL RESISTANCE ASTM D543, 24 Hour Immersion

ACIDS (Organic)	Rating	Weight Change
Citric Acid (1%)	NA	+5%
Lactic Acid (10%)	D	+17%
ACIDS (Mineral)		
Sulfuric Acid (10%)	NA	+6%
Sulfuric Acid (30%)	C	+100%
SOLVENTS		
Isopropyl Alcohol (99%)	C	+90%
ALKALIS		
Sodium Hydroxide (10%)	NA	+2%
Sodium Carbonate (2%)	NA	+5%
Sodium Hypochlorite (5%)	NA	+3%
MISCELLANEOUS COMPOUNDS		
Mineral Oil	NA	<1%
Vegetable Oil	NA	<1%
Aviation Gasoline	NA	+10%
Diesel Fuel	NA	+4%

Rating System

- NA = No Attack
D = Deglossed But no Physical attack;
C = Chemical Damage

3. OVERVIEW OF INSTALLATION STEPS OBTAIN AN FOLLOW INSTALLATION GUIDE FOR ACTUAL INSTALLATION INSTRUCTION

- A. Prepare surfaces by removal of laitance, grease, foreign matter, etc. Repairs damaged concrete or provide sloping using Miracote Repair Mortar I or III.
- B. Apply Primer: Clear Prime UVS, CQ or Mirapoxy WB are options to consider.
- C. Apply Glazetop 225 sq. ft. per gallon.

4. LIMITATIONS

1. Rapid cure means a corresponding short working time, may require additional crew members to maintain wet edge.
2. This coating displays excellent abrasion resistance and physical properties but can still be cut. Proper precautions should be taken to eliminate sharp objects from "slicing" the coating.
3. Moisture vapor transmission (MVT) in excess of 3.0 lbs/1000 sq/ft/per 24 hr period per ASTM F1869, may result in delamination, discoloration or improper curing. Use either Miracote MVERS or MVERS II vapor control membranes over substrates, which have MVT emissions that exceed these limits. Consult with your Miracote distributor prior to using MVERS if moisture vapor transmission exceeds 15 lbs/1000 sq/ft/per 24 hr period per ASTM F1869.

5. PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and/or factories at all addresses listed below. Factory Trained Contractors are established in all major trading areas in the United States, Canada and various European, Latin American and Far East nations.

6. SKID RESISTANCE and CLEANABILITY

In general the more aggressive the finished surface the greater the coefficient of friction and corresponding skid resistance, the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties.

7. CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, Crossfield recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your Representative for additional information.

8. SPECIFICATION ASSISTANCE

Consult Crossfield Products Corp. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

9. TESTING

The technical data contained herein is the result of tests made in Crossfield's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



MIRACOTE PRODUCT LINE Crossfield Products Corp.

West Coast Office
3000 E. Harcourt Street
Rancho Dominguez, CA
90221
310-886-9100
310-886-9119 fax

East Coast Office
140 Valley Road
Roselle Park, NJ
07204
908-245-2800
908-245-0659 fax

www.miracote.com