



MiraFlor Glazetop FC

Product Technical Data Sheet

MiraFlor Glazetop FC is a state-of-the-art, 100% solids, two-component, UV-stable, aliphatic elastomeric polyurea resinous coating. Designed to display a low odor during placement and cure, Glazetop FC exhibits excellent substrate penetration, adhesion and offers rapid turn times and return to service. Glazetop FC does not require the use of special equipment or plural component spray apparatus and can be easily mixed and applied using conventional protective coating application methods.

MiraFlor Glazetop FC is ideal for use as a protective finish/sealer coating over polymer –modified, decorative cementitious microtoppings and stamped overlays. It is also an excellent choice for use in vinyl flake and color quartz broadcast system applications. Glazetop FC is available in a clear gloss only formulation.

WHERE TO USE

- Protective topcoat for cementitious overlays & microtoppings.
- Optional topcoat for quartz and flake broadcast systems.
- Protective coating for concrete, steel and resinous floors.
- Pharmaceutical plants and warehouses
- Hospitals and healthcare facilities
- Prisons and correctional institutions
- Stadiums and arena's
- Shower and locker rooms
- Cafeteria's and food service facilities

ADVANTAGES

- High tensile and tear strengths.
- Excellent chemical and abrasion resistance.
- Displays superior UV resistance and stability.
- Longer pot life than conventional polyurea coatings.
- LEED-compliant, low odor and fast cure time.
- Meets USDA, FDA, OSHA standards.
- Rapid turn-around time – walk on in hours.
- Excellent for interior and exterior exposure.
- Accepts synthetic media for slip resistance.
- Minimizes floor care and maintenance costs.

THEORETICAL COVERAGE RATES

Glazetop FC Clear:

225-250 sq. ft. per gal.

PACKAGING and COLORS

Kit Sizes: 1.5 gallon, 3 gallon, 15 gallon

Component A: 1-gal, 2-gal, 5-gal units

Component B: .5-gal, 1-gal, 5-gal units

Available in clear only.

MIX RATIO

Glazetop FC Clear:

Comp. A: Comp. B = 2:1 by volume.

SHELF LIFE AND STORAGE

One year from the date of manufacture as long as containers remain unopened and material is stored in a protected environment free from moisture, excessive heat, freezing temperatures, and direct sunlight.

TYPICAL PHYSICAL PROPERTIES @ 75F (24C)

Viscosity (mixed)	650 cps
Solids Content	99.9%
Pot Life 50% RH (100-gram mass)	Approximately 20 minutes
Dry Time 50% RH:	
Tack Free.....	1.5 hrs.
Light Traffic.....	4.0 hrs.
Full Cure.....	48.0 hrs.
Tear Strength ASTM D624, Die C.....	670 pli (Resin & Hardener)
Tensile Strength ASTM D412	4,700 psi (Resin & Hardener)
Tensile Elongation ASTM D412	10% (Resin & Hardener)
Flexural Strength ASTM D1737**	Passes (Resin & Hardener)
Flexibility ASTM D1737	Passes 180-degree bend. 1/8" Mandrel
Taber Abrasion ASTM D4060	42 mg loss (CS17 Wheel. 1000g Load. 1000 Cycles)
Impact Resistance ASTM D2794	Direct.....160in/lbs Reverse.....160in/lbs
Hardness ASTM D2240 Shore A	80-85
Gloss ASTM D523	88+
Coefficient of Friction ASTM D2047.....	Dry 0.67 Wet 0.82
Microbial Resistant ASTM G21	Passes Testing1
Chemical Resistance (Refer to Chemical Resistance Chart)	

**ASTM D1737 replaced by ASTM D522

OVERVIEW OF INSTALLATION STEPS

- **Surface Preparation** – All surfaces must be clean, sound, dry and free from any bond inhibiting substances including, but not limited to, grease, oil and any other contaminants or loosely adhered materials. For concrete substrates, a minimum surface profile of a CSP-2 or higher is required depending on overall substrate conditions and coating requirements.

- **Mixing** – *MiraFlor Glazetop FC* polyurea resin components must be mixed mechanically using a low-speed drill (300-450 rpm) until blended with a “Jiffy-type” or similar Miracote-approved mixing paddle. Empty entire contents of component A and component B into a clean mixing vessel. Mix for a maximum of 3 minutes keeping the mixing head fully immersed at all times. At least once when mixing, stop to scrape down the sides and bottom of the pail to ensure thorough blending of both components. If not mixing full units, each component must be pre-mixed individually ensuring uniformity prior to use. Once completely mixed and in observance of pot life, dispense material immediately from the pail to the substrate.

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OVERVIEW OF INSTALLATION STEPS (continued)

Application – Pour out mixed *MiraFlor Glazetop FC* in a large ribbon across the properly primed concrete surface or other type of substrate. Spread evenly with a flat squeegee, and back-roll with a high quality, phenolic core, industrial grade 3/16” to 1/4” maximum nap roller to achieve mil consistency.

FOR BEST RESULTS

- Always install a minimum 4’ by 4’ test area site mock-up for approval of acceptable color, texture, finish, adhesion, and any other critical requirement acceptable to the owner prior to proceeding with the installation.
- Verify and download current versions of product technical data sheets (PTDS), material safety data sheets (MSDS), and installation guides (IG) at www.miracote.com.
- Protect materials at all times from excessive heat and cold, and pre-condition to room temperature as necessary.
- Requires use of primer over concrete substrates.
- Regularly check wet film thickness with mil gauge and monitor consumption to ensure correct application rates are obtained.
- The proper application of this product is the sole responsibility of the end user. Job site visits by Miracote representatives are only for the purpose of making recommendations, and do not assume any liability for supervision or quality control.
- Measure surface and ambient temperatures to ensure the material is only applied when temperatures are 50°F (10°C) and rising during placement and cure time.

LIMITATIONS

- Installed product forms a vapor barrier after cure.
- Not intended for use on exterior concrete slabs-on-grade.
- Minimum ambient/substrate temperature of 50°F (10°C).
- Concrete must be minimum age of 21-28 days, depending on curing and drying conditions.
- Maximum allowable moisture vapor transmission (MVT) of 3.0 lbs./1000 sf./per 24 hr. period per ASTM F1869 (CaCl Testing).
- Maximum allowable moisture vapor transmission (MVT) of 75% RH as per ASTM F2170 (RH-Relative Humidity Testing).
- Use MiraPrime MVERS epoxy moisture mitigation primer over concrete substrates that have MVT emissions that exceed these limits.

LIMITED WARRANTY

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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