



The Chemical Company

Technical Data Guide



MasterTop[®] 1291 GLAZ

Glazed, light-reflective wall coating

FORMERLY SELBAGLAZE[®]

YIELD

Primer: 200 ft²/gallon (5 m²/L)

Topcoat: 250 ft²/gallon (6.25 m²/L)

Final topcoat: 300 ft²/gallon (7.5 m²/L)

All coverage rates are approximate.

Coverage rates will vary with the desired texture and the porosity of the concrete.

PACKAGING

Epoxy Primer and Topcoat:

5 gallon (18.95 L) pails

55 gallon (208 L) drums by special order

Polyurethane and Polyaspartic Topcoats:

1 gallon (3.79 L) cans

5 gallon (18.95 L) pails

COLOR

White

7 standard colors; see the BASF Performance Flooring Color Guide. Custom colors are subject to minimum quantities and increased manufacturing lead-times. Contact BASF for further information.

NOTE: Where color stability is critical, use MasterTop TC 493 or MasterTop TC 683 as a finish coat.

SHELF LIFE

Epoxy primer and topcoat: 2 years

Polyurethane topcoat: 1 year

STORAGE

Store and transport in unopened containers in a clean, dry area. Protect from freezing.

VOC CONTENT

See MasterTop 1291 GLAZ LEED Letter

DESCRIPTION

MasterTop 1291 GLAZ is a high-solids, glazed epoxy wall system. It is used as a wall and ceiling coating where impact resistance, light reflectivity, and chemical resistance are required.

PRODUCT HIGHLIGHTS

- Epoxy technology provides high chemical resistance to a wide range of chemicals
- Tough, durable finish
- Hard, glossy surface that is easy to maintain and clean
- High solids formulation is low in odor and VOC compliant in all regions
- Heavy body coat, handles impact

APPLICATIONS

- Food-preparation and handling areas
- Hospital operating rooms
- Pharmaceutical handling areas
- Clean rooms
- Correctional facilities
- Bathrooms
- Showers
- Animal hospitals

LOCATION

- Vertical surfaces
- Interior

SUBSTRATE

- Over concrete, drywall, plaster, and concrete block

TECHNICAL DATA

COMPOSITION

MasterTop 1291 GLAZ is a high-solids epoxy-polymer system.

TEST DATA

| PROPERTY | RESULTS | TEST METHODS |
|--|--|--------------|
| Adhesion , psi (MPa) | 350 (2.4) | ASTM C 4541 |
| Abrasion , mg loss | 0.087 | ASTM D 4060 |
| Moisture-vapor transmission , perms | 0.4 | ASTM E 96 |
| Impact resistance | No chipping, cracking, or delamination | MIL-D-3134 |
| Rate of burning | Self-extinguishing | ASTM D 635 |
| Hardness , Shore D | 85 | ASTM D 2240 |

Unless otherwise noted, test samples were cured 7 days at 73° F (23° C) and 50% relative humidity.

CHEMICAL RESISTANCE

For information on resistance to specific chemical reagents, refer to the appropriate BASF Performance Flooring Chemical Resistance test data sheet.

HOW TO APPLY

SURFACE PREPARATION

Surface preparation will depend on the substrate. Surface must be clean, dry and structurally sound. Profile to ICRI CSP 3. Fill all hairline cracks, holes, or other defects and sand smooth. Vertical surfaces must be paint-ready. For more information, contact your BASF representative. Apply a 25 ft² (2.35 m²) test in an inconspicuous area that meet the owner's expectations for appearance and performance.

MIXING

- Mix the components for this product in the following ratios.

TYPICAL PROPERTIES

| APPLICATION | COMPONENTS | MIX RATIO |
|----------------------|--|------------------|
| Topcoat | MasterTop TC 504 Part A / MasterTop TC 504TX Part B | 2.5 to 1 |
| Final topcoat | MasterTop TC 493 Part A / Part B MasterTop TC 683 Part A / Part B | 3 to 1 1 to 1 |

- Properly mix each component separately before mixing together to ensure uniform consistency.
- Combine Parts A and B in a suitably sized container. Use the proper ratios of A and B; scrape the sides of the containers to ensure a complete reaction.
- Mix properly for 3 minutes with a slow-speed drill and Jiffy-style mixing paddle at 350 rpms. Keep the paddle below the surface to avoid entrapping air. Do not mix by hand.

APPLICATION

- The rendering of a smooth finish may require the use of a foundation coat by spray, roller, or trowel parging.
- Apply the primer coat at 200 ft²/gallon (5 m²/L). Allow to cure
- Apply the final topcoat at 250 ft²/gallon (6.25 m²/L). Allow to cure. Additional coats may be required to achieve the desired surface.
- Apply the top coat at approximately 300 ft² (7.5 m²/L). Allow to cure 24 hours.

DRYING TIME

Primer: 12 – 24 hours
 Topcoat: 12 – 24 hours
 Topcoat of MasterTop TC 493 or MasterTop TC 683: 24 hours

MAINTENANCE

Regular cleaning and maintenance will prolong the life of all polymer flooring systems, enhance their appearance, and reduce any tendency to retain dirt. Refer to the MasterTop Cleaning and Maintenance Guide for additional information.

FOR BEST PERFORMANCE

- Do not exceed the recommended recoat window of 24 hours. If in doubt, contact your BASF representative or flooring specialist.
- Use MasterTop TC 493 or MasterTop TC 683 as a finish coat for increased abrasion resistance, color retention, and UV stability.
- Precondition this product to 70° F (21° C) for 24 hours before using.
- Do not expose MasterTop 1291 GLAZ to any chemicals until fully cured (7 days).
- Install these products at a substrate temperature of 50 to 85° F (10 to 30° C).
- BASF representatives and flooring specialists are available to assist you in the selection of the proper coating system. Call 1-800-243-6739 for in-house and field technical assistance.

- Make certain the most current versions of product data sheet and SDS are being used; call Customer Service (1-800-433-9517) to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

HEALTH, SAFETY AND ENVIRONMENTAL

Health, Safety and Environmental Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.basf.us, e-mailing your request to basfbcst@basf.com or calling 1(800)433-9517. Use only as directed. **For medical emergencies only, call ChemTrec 1(800)424-9300.**

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