

MasterTop[®] GP 500 Coating Kit

Clear and tinted epoxy floor coatings

FORMERLY SELBY™ 700 SERIES COATINGS

YIELD

Approximately 200 ft²/gallon (5 m²/L)
Coverage rates will vary with the desired texture and the porosity of the concrete.

PACKAGING

5 gallon pail
- 2 gal, 8.6 kg of part A
- 1 gallon, 3.6 kg of part B

Pigments: 1 Pint

See the Master Builders Solutions Performance Flooring Color Guide for more information.

COLOR

Clear and 7 standard colors. See the Master Builders Solutions Performance Flooring Color Guide for more information.

Custom colors may be available upon request and are subject to minimum quantities and increased manufacturing lead times.

SHELF LIFE

2 years

STORAGE

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

VOC CONTENT

See the MasterTop GP 500 LEED Letter

DESCRIPTION

The MasterTop GP 500 coating kit is a 2 component, 100% solid epoxy polymer system conveniently packaged in a kit format. MasterTop GP 500 coatings are designed to both prime and coat floors. Components of the MasterTop GP 500 coating system are also available in pail and drum formats. Please consult the MasterTop GP 500 Technical Data Guide for more information.

PRODUCT HIGHLIGHTS

- High gloss finish creates a light reflective, easy to clean surface
- 100% solids formulation is very low VOC and universally compliant

LOCATION

- Interior

SUBSTRATE

- Over new and existing concrete surfaces and toppings

HOW TO APPLY

MasterTop GP 500 system is a globally branded product line with industry synergies around the world.

The following is a summary of the installation:

SURFACE PREPARATION

1. Floors must be structurally sound and

- fully cured a minimum of 28 days. Test floor for vapor drive in accordance with ASTM D 4263.
2. Repair concrete as necessary.
3. Use a commercial degreaser to clean floors of oil, grease, and other bond-inhibiting materials.
4. Remove curing and parting compounds and other surface hardeners and floor coatings in accordance with the manufacturer's instructions.
5. Mechanical surface profiling is the method of surface preparation for both new and existing floors. Mechanically profile the floor to CSP 2–9 (approximating medium-grit sandpaper) as described by the International Concrete Repair Institute. Do not use acid etching for surface preparation. Do not use any method that will fracture the concrete.
6. Apply a 5 by 5 ft (1.52 by 1.52 m) test in an inconspicuous area that meet the owner's expectation for appearance, slip resistance and performance.

TECHNICAL DATA

COMPOSITION

MasterTop GP 500 coatings are two-component high-solids epoxy polymers.

TYPICAL PROPERTIES

PROPERTY	VALUE
Service temperature, °F	180
VOC, lbs/gal	0.47 (57)

TEST DATA

PROPERTY	RESULTS	TEST METHODS
Adhesive Strength , psi (MPa)	350 (2.5) 100% concrete failure	ASTM D 4541
Abrasion, mg loss ; CS-17 Wheel, 1,000 g load, 1,000 cycles	0.087	ASTM D 4060
Moisture-vapor transmission , perms	0.4	ASTM E 96
Impact resistance	Passes	MIL-D-3134F
Hardness , Shore D	85	ASTM D 2240
Rate of burn	Self-extinguishing	ASTM D 635
Surface flammability		ASTM E 162
Flame spread index	9.29	
Smoke deposit, mg/ms	0.1	
NSB class	1	

Unless otherwise noted, test samples were cured 7 days at 73° F (23° C).

CHEMICAL RESISTANCE

Full chemical resistance is achieved after curing for 7 days. For resistance to a specific chemical compound, consult the MasterTop GP 500 Chemical Resistance Guideline. Contact your Master Builders Solutions representative for more information.

MIXING

1. Mix each component separately before mixing together.
2. Pour part B into A. Use the complete content of part A and B; scrape the sides of the containers to ensure a complete reaction. (If pre-tinting the part A, re-agitate before successive batched to ensure against pigment float). Optional: Add 1 pigment pack for every mixed kit. Some colors will require 2 pigment packs for every kit. The colors that will need 2 pigment packs are Light Gray, Safety Yellow, White and Light Tan.
3. 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

Pour a ribbon of material onto prepared flooring surface and spread with a roller or notched squeegee at suggested rate. Allow to cure.

DRYING TIME

Approximately 12 – 24 hours
Drying times assume 70° F (21° C) and 50% relative humidity.

MAINTENANCE

Regular cleaning and maintenance will prolong the life of all polymer flooring systems, enhance their appearance, and reduce any tendency to retain dirt. Follow the MasterTop Flooring Protection and Maintenance guide to maximize the life of the floor.

FOR BEST PERFORMANCE

- Where greater color and UV stability is required, use MasterTop TC 493 or MasterTop TC 683.
 - Texture can be varied by using different aggregates.
 - Precondition these products to 70° F for 24 hours before using.
 - Boxing batches is recommended to ensure color consistency.
 - Do not exceed a recoat window of 24 hours. If in doubt, call your Master Builders Solutions representative or flooring specialist. Where a highly chemical-resistant epoxy coating is desired, see the MasterTop 1216, 1217 CR, 1246 and 1247 CR data guides.
 - Do not expose MasterTop GP 500 Coatings to any chemicals until fully cured (7 days).
- Use an effective moisture barrier for substrates on or below grade; if not present, contact your Master Builders Solutions representative for options.
 - Install this product at a substrate temperature between 50 and 85° F (10 and 30° C).
 - The architect and owner should address joint details with the contractor before the job starts.
 - Master Builders Solutions representatives and floor specialists are available to assist you in the selection of the proper flooring 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; visit www.master-builders-solutions.com/en-us to verify the most current versions.
 - Proper application is the responsibility of the user. Field visits by Master Builders Solutions 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.com/en-us, e-mailing your request to mbsbscst@mbcc-group.com or calling 1(800)433-9517. Use only as directed.

IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.

LIMITED WARRANTY NOTICE

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