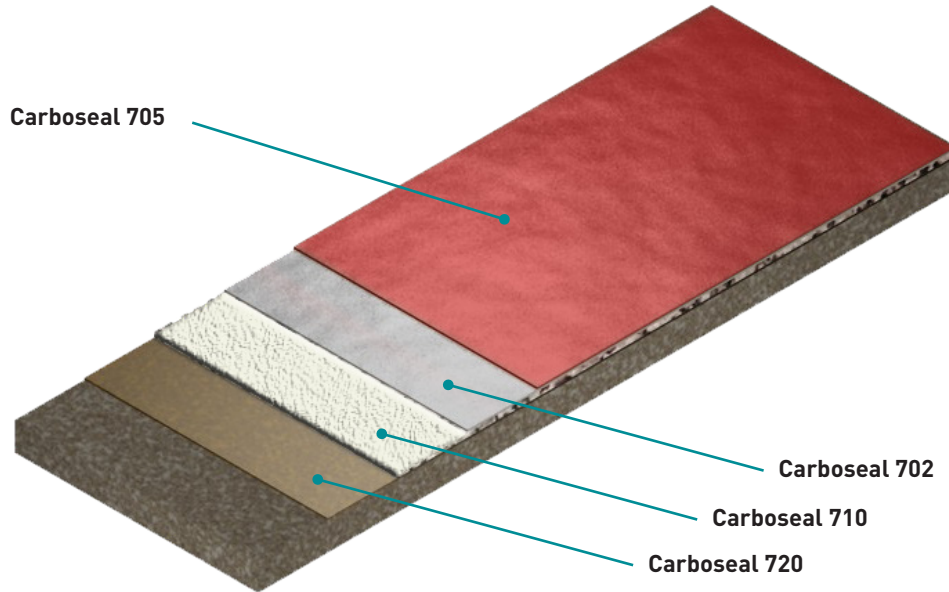


Carboseal™ 710 (3/16 to 1/4-inch)

SYSTEM INFORMATION SHEET



- » Trowel applied, epoxy floor mortar systems (3/16 to 1/4-inch / 0.48 to 0.64 cm)
- » Seamless durable floor
- » Most durable flooring system; best Return on Investment (ROI)
- » Excellent abrasion, wear and impact resistance
- » Resistant to chemicals and thermal shock
- » USDA compliant materials

TEST METHOD	RESULTS
Abrasion Resistance (ASTM D4060) CS-17 Wheel, 1,000 cycles	30 mg loss
Adhesion (ASTM D4541)	350 psi, 100% concrete failure
Slip Resistance Index (ASTM F1679)	0.85
Thermal Coefficient of Linear Expansion (ASTM D696)	3.5 x 10 ⁻⁵ in/in/°F
Compressive Strength (ASTM C579)	10,500 psi
Flexural Strength (ASTM C580)	4,200 psi
Flexural Modulus of Elasticity (ASTM D790)	2.01 x 10 ⁶ psi
Tensile Strength (ASTM C307)	1,600 psi
Hardness, Shore D (ASTM D2240)	85
Impact Resistance (ASTM D4226)	>160 in/lbs
Temperature Resistance (continuous)	140°F
Temperature Resistance (non-continuous)	200°F

Carboseal 710 (3/16 to 1/4-inch)

SYSTEM INFORMATION SHEET

SYSTEM STEPS	PRODUCT	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT	RECOAT TIME
A. Primer	Carboseal 720	6-8 mils	200-250 ft² per gallon	HPR High Performance Resin Base A Carboseal 720 Hardener B	Squeegee Short Nap Roller	12 hours
The mixed product can be poured out directly to the floor. Spread to the desired thickness with rubber squeegee. Further finishing can be done by lightly rolling the surface.						
B. Trowel Mortar	Carboseal 710	3/16-1/4" (0.48-.64cm)	120 ft² per single pack kit @ 3/16" (0.48 cm) 90 ft² per single pack kit @ 1/4" (0.64)	Carboseal 710 Base A- 2 gal Carboseal 710 Hardener B- 1gal Carboseal 710 Filler- 4x50lb bags Pigment Pack	Finishing Trowels Screed Box	15 hours
Pour the mixed materials into a screed box, and then pull the box at an even speed over the surface. Finally smooth the surface with a steel or power trowel. The mortar should be applied between 3/16 and 1/4" (0.48-0.64 cm).						
C. Grout Coat	Carboseal 702	10-12 mils	175 ft² per gallon	Carboseal 702 Base A Carboseal 702 Hardener B Universal Color Pack*	Squeegee Short Nap Roller	12 hours
Immediately after mixing, pour Carboseal 702 evenly over the floor. Spread to the desired thickness with a notched rubber squeegee and back roll with a shed resistant, medium nap roller. *Universal Color Pack must be ordered separately.						
C. Top Coat	Carboseal 705	10-15 mils	100-160 ft² per gallon	HPR High Performance Resin Base A Carboseal 705 Pt. B Universal Color Pack	Squeegee Short Nap Roller	12 hours
The mixed product can be poured out directly to the floor. Spread to the desired thickness with rubber squeegee. Further finishing can be done by lightly rolling the surface.						

ALTERNATE TOPCOATS

PRODUCT	GENERIC TYPE	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT	RECOAT TIME
Carboseal 725	100% Solids Clear Epoxy	10-12 mils	130-160 ft² per gallon	HPR High Performance Resin Base A Carboseal 725 Pt. B	Notched Squeegee Short Nap Roller	8 hours
Carboseal 985	Polyaspartic	10-15 mils	100-150 ft² per gallon	Carboseal 985 Pt. A Carboseal 985 Pt. B	Notched Squeegee Short Nap Roller	2 hours
Carboseal 816 or Carboseal 816 HAR	Polyurethane	3-5 mils	481-289 ft² per gallon	Carboseal 816 Pt. A Carboseal 816 Pt. B High Wear Additive*	Short nap mohair roller	8 hours
*High wear additive used for Carboseal 816 HAR only						

Carboseal 710 (3/16 to 1/4-inch)

SYSTEM INFORMATION SHEET

COVING

PRODUCT	GENERIC TYPE	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT
Primer: Carboseal 702	100% Solids Epoxy	10-12 mils	130-160 ft ² per gallon	Carboseal 702 Base A Carboseal 702 Hardener B	Brush or Roller
Carboseal 702*	100% Solids Epoxy	1/8-3/16-inch	**see below	Carboseal 702 Base A Carboseal 702 Hardener B ***Carboseal 710 Filler	Coving Trowel

*Add 15 lbs of Carboseal 710 filler to 1 quart mixed Carboseal 702.

**11-13 linear ft at 4" high per mix

9-10 linear ft at 6" high per mix

7-8 linear ft at 8" high per mix

***Carboseal 710 filler not included in Carboseal 702 kit and must be purchased separately.

INSTALL

This document is meant as a guideline for the installation of the Carboseal 710 system. Contact Carboline Technical service for further assistance prior to the installation of Carbocrete system.

SURFACE PREPARATION

Follow NACE 6/SSPC 13 guidelines. Concrete or screed substrate should be sound, free from laitance, dust, and other contamination with a minimum of 3,625 PSI compressive strength. The substrate should be dry and free from excess rising moisture. Abrade the surface to achieve an ICRI CSP 2-7 surface profile.

All control joints must be honored. Anchor grooves must be cut on both sides of such joints. Welded joints and cracks in the concrete may be coated, but if movement occurs the coating will also crack. All residues must be removed to provide a dry, dust free open textured surface. Contact Carboline Technical Service for further information.

MIXING

All mixing should follow the mixing instructions on the specific Carbocrete or Carboseal Product Data pages.



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NOTE:

The technical data presented in this document is accurate to the best of Carboline's knowledge based on laboratory testing of the product(s) or system(s) described. Actual results in the field may vary depending on field conditions and application methods. The performance characteristics stated do not constitute a guarantee or warranty that the products will meet the stated results under all circumstances. Contact Carboline technical staff with questions.