

SELECTION & SPECIFICATION DATA

Generic Type	Cementitious urethane sealer for broadcast systems
Description	Semi-flexible high performance semi-gloss topcoat for cementitious urethane broadcast floor systems. Contains Polygiene® an antimicrobial additive based on silver ion technology. Demonstrates excellent resistance to thermal shock, mechanical damage, and chemical attack.
Features	<ul style="list-style-type: none"> • Excellent chemical resistance • High abrasion resistance • Resistant to thermal shock • Excellent resistance to MVT (moisture vapor transmission) • Easy to clean and sterilize • Non-tainting, non-dusting • Withstands mechanical stress • Ultra low VOC • Low odor • Suitable use in USDA inspected facilities
Color	Stocked Colors: Red (Q501), Mid Gray (Q703) Made to Order Colors: Cream (Q202), Tan (Q204), Khaki (Q205), Green (Q302), Safety Yellow (Q603) and Dark Gray (Q704)
Finish	Semi-Gloss
Typical Uses	Used as a topcoat for Carbocrete systems when a semi-gloss finish is desired.
Coverage Rate	Approximately 120 sq.ft (11.1 sq.m) per 17 lb unit
VOC Values	As supplied 0.04 lbs/gal (5 g/L)
Limitations	Not resistant to ground water hydrostatic pressure. Carbocrete SR Sealer may change color over time depending on exposure to UV light and heat. This does not compromise the product's chemical resistance or physical characteristics.

SUBSTRATES & SURFACE PREPARATION

General	Apply over properly installed Carbocrete system. Any loose broadcast media must be removed prior to the application of Carbocrete SR Sealer.
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PERFORMANCE DATA

All test data was generated under laboratory conditions. Field testing results may vary.

Test Method	System	Results
Elongation at Break (ASTM D638)	Carbocrete SR Sealer	20%
Flexural Strength (ASTM C580)	Carbocrete SR Sealer	2,400 psi
Tensile Strength (ASTM C308)	Carbocrete SR Sealer	1,650 psi

Carbocrete™ SR Sealer

PRODUCT DATA SHEET



MIXING & THINNING

Mixing | Add Carbocrete SR Sealer Part A to mixing vessel and mix with slow speed drill. Add pigment pack and continue mixing until fully dispersed. Add Carbocrete Sealer Part B and mix until homogeneous.

Working Time | 20 minutes at 68 °F (20 °C).
At higher temperatures the application time is shorter.

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

General |

- Flat rubber squeegee
- Shed resistant short nap roller

APPLICATION PROCEDURES

General | Prior to starting the job, the product should be stored in such a way that the temperature is the same as the room temperature where the product is to be applied, i.e. between 60-80 °F (16-27 °C). This improves the mixing, flow, penetration and hardening of the product.

Application | Carbocrete SR Sealer should be applied evenly in a consistent layer thickness. Spread using a rubber squeegee and then back roll using shed resistant short nap roller.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	45°F (7°C)	45°F (7°C)	0%
Maximum	90°F (32°C)	90°F (32°C)	90°F (32°C)	95%

The recommended substrate temperature is 50-80 °F (10-27 °C), but no less than 45 °F (7 °C).

The temperature of the substrate should not exceed the dew point by 5 °F (3 °C) during application and hardening. Temperatures should not fall below 40 °F (4 °C) in the 24 hours after application.

CURING SCHEDULE

Surface Temp.	Dry to Topcoat	Maximum Recoat Time
68°F (20°C)	8 Hours	24 Hours

The product is fully hardened after 5-7 days.

High humidity in the early stages of cure can result in white, matte surfaces (blooming).

Do not cover or wash within the first 24 hours of curing.

CLEANUP & SAFETY

Cleanup | Clean tools immediately after use with acetone, MEK, or mineral spirits.

Safety | Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation. Keep container closed when not in use.

MAINTENANCE

General	Normal plant cleaning procedures may be employed after the Carbocrete floor has been put in service. There are no effective restrictions on the method of cleaning employed. Carbocrete products, when properly installed, will withstand water wash down at continuous sanitizing temperatures.
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PACKAGING, HANDLING & STORAGE

Packaging	Single Pack Carbocrete SR Sealer Base A - 0.59 gal (2.2 liters) Carbocrete SR Sealer Hardener B - 0.48 gal (1.8 liters) Pigment Pack
Shelf Life	Parts A & B: 12 months in unopened containers
Storage Temperature & Humidity	Store between 45-90 °F (7-32 °C) Protect from weather and moisture / contaminant ingress.
Shipping Weight (Approximate)	Approx. 19.4 lbs (8.8 kg)
Flash Point (Setaflash)	Part A: 212 °F (100 °C) Part B: 199 °F (93 °C)

WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.