SNAPBACK

CARBONATED CONCRETE RECOVERY

LOW-CARBON
CONCRETE SOLUTION

Saves Carbonated Slabs—No Replacement or Extensive Grinding!

Product Description

SnapBack™ is a 2-step solution that transforms soft, unusable carbonated concrete surfaces—damaged by prolonged exposure to CO_2 and moisture—into hardened, functional surfaces.

Why Choose SnapBack?

Carbonated concrete is usually dealt with in one of two ways: grinding down the slab entirely to remove the carbonation or tearing it out and replacing it from scratch. Both options are costly, time-consuming, and highly disruptive.

SnapBack changes the game! It eliminates the need for these inefficient methods, saving potentially millions of dollars, minimizing downtime, and keeping projects on schedule—all while delivering a faster, more efficient solution.

KEY BENEFITS

- **Fast and Effective Recovery:** Restores surface hardness to the slab, delivering the same durable results as expected with OPC, without the need for additional densification.
- **Comprehensive Slab Treatment:** Provides a complete solution to enhance surface performance and ensure consistent, reliable outcomes without requiring a densifier.
- **Minimizes Project Downtime:** Ensures minimal delays and downtime, enabling faster project completion with less disruption.

ADVANTAGES OVER TOTAL SLAB REPLACEMENT AND SURFACE GRINDING

- **Streamlined Restoration Process:** Eliminates the need for labor-intensive grinding and overlays.
- **Sustainable and Minimally Invasive:** Provides a sustainable, low-disruption solution that eliminates the need for total slab replacement or extensive grinding.
- **Unmatched Savings:** Reduces costs by up to 90% compared to slab replacement, saving potentially millions of dollars on large-scale projects.
- **Save Time, Money & Avoid Headaches:** Reduces costly delays and ensures applicators, contractors, and building owners achieve an effective fix with the least amount of headaches.

Technical Info

	STEP 1	STEP 2
Form:	Whitish liquid	Light yellow
Odor:	Slight odor	Odorless
Flash Point:	320 °F (160 °C)	N/A
Freezing:	Do not allow to freeze	Whitish Liquid
pH:	10.96	11.3
Packaging:	1 gal (3.79 L) Jug 5 gal (18.9 L) Pail 55 gal (208 L) Drum	1 gal (3.79 L) Jug 5 gal (18.9 L) Pail 55 gal (208 L) Drum
Storage:	6 months; store indoors	1 year
Coverage:	160-200 ft²/gal 4-5 m²/L	200 ft²/gal 5 m²/L
VOC:	No VOCs	No VOCs

Testing: Proven Increased Hardness

Treatment: Flood coat of SnapBack Step 1 and Step 2—both 1-hour dwell times—and 5 days of daily cleaning with CreteClean Plus with Scar Guard.

(continued from front page) Various concrete cores were extracted from a carbonated floor project and subjected to testing to evaluate their hardness. The initial Mohs hardness of the cores was measured at 3, indicating significant carbonation and weakness. After treatment, the hardness improved substantially, reaching a final hardness of 7.5.

Identifying Carbonated Floors

A carbonated concrete surface often appears chalky, typically caused by the use of fossil fuel equipment indoors during winter construction without proper ventilation. This tends to be a seasonal issue, more common in colder climates where such equipment is frequently used.

To identify a carbonated concrete floor, look for key visual and physical signs such as:

- **Dull, faded surface**
- **Softer or more powdery texture**
- **Uneven texture, prone to dusting or crumbling**
- **Quick water absorption**

However, the only definitive way to confirm carbonation is by removing a core sample and performing a phenolphthalein test, which will cause the **non-carbonated** areas to change color, revealing the depth of carbonation.

Carbonated concrete core with soft chalky surface.

Carbonated concrete core after removal of soft chalky surface with scrubbing pad.

Performing Surface Hardness Tests

Performing a Mohs Hardness Test (scratch test) on carbonated floors before and after applying SnapBack is crucial for ensuring effective treatment and long-term durability.

Before treatment, conduct the test in multiple locations to establish a baseline and assess the severity of carbonation. After applying SnapBack, repeat the test in various areas to confirm that the carbonation has been neutralized and that the slab's surface hardness has significantly improved.

To learn how to properly perform a Mohs' Hardness Test, please scan the code to watch the video.

How to Perform a Mohs Hardness Test

Application Instructions

Surface Preparation

Ensure the surface is clean and free of debris by using **CreteClean Plus with Scar Guard**™ to prepare the floor properly for treatment. In severe cases, stock removal may be necessary. Perform a scratch test in multiple locations to gauge the initial surface hardness of the concrete.

Product Preparation

The product is shipped ready to use and should not be diluted. Thoroughly agitate before use.

Step 1 - Flood Coat Application

Apply **SnapBack - Step 1** as a flood coat at a coverage rate of **160-200 ft²/gal (4-5 m²/L)** and allow the product to dwell on the surface for one hour. If the slab absorbs all the product, lightly mist the area with more product or water to keep it wet.

Use brooms to agitate the product, ensuring even distribution across the surface. Be sure to prevent the surface from drying out throughout the process.

Step 1 - Product Removal

A quick scrub is needed to remove excess material. Use squeegees, a squeegee vacuum, or an auto scrubber for removal. If necessary, use ONLY water (no cleaning chemicals) to prevent streaking. Avoid performing any additional cleaning steps. Allow the floor to dry for at least 2 hours before applying Step 2.

Step 2 - Flood Coat Application

After 2 hours, apply **SnapBack - Step 2** immediately to the surface using the flood coat method at a coverage rate of **160-200 ft²/gal (4-5 m²/L)** and allow the product to dwell on the surface for one hour. If the slab absorbs all the product, lightly mist the area with more product or water to keep it wet.

Post Treatment Cleaning & Testing

To enhance the reaction and accelerate the time needed to achieve optimal surface hardness, perform daily cleanings using CreteClean Plus with Scar Guard for at least five consecutive days. Once complete, retest the floor surface in multiple areas to confirm the improved hardness.

Maintenance

Continued cleaning and routine maintenance with CreteClean Plus with Scar Guard is critical for the long-term durability and lifelong performance of the floor. Each cleaning serves an important purpose: enhancing and maintaining the floor's natural shine, fortifying the surface, and helping heal minor surface blemishes and scratches, ensuring lasting resilience and performance.

Technical Assistance & SDS

Technical Services & Emergency Contact

Contact Curecrete at **(801) 489-5663** or toll free at **(800) 998-5664** or by email at **techsupport@curecrete.com.** **For emergency information, call (801) 629-0667.**

Safety Data Sheet

For SDS information, scan the code provided.

Safety Data Sheet (SDS)

SnapBack - TDS RV 3-21-25