



PRODUCT DESCRIPTION

Capture offers infinite possibilities by encapsulating tangible objects in crystal clear polymers providing dramatic depth and dimension. Any object can be represented in a Capture floor from natural elements to man made materials, high resolution floor graphics and hand painted designs.

USES, APPLICATIONS

Capture is designed for public areas that will see heavy foot traffic. The sealed surface resists scratching and is easy to clean.

Capture is ideal for applications such as: retail, hospitality, casinos, showrooms, lobbies, restaurants, night clubs, commercial and public spaces.

SUBSTRATE

Capture, with the appropriate primer, is suitable for application over concrete, wood or metal. Not recommended on asphalt, brick, quarry tile, mastic, or painted surfaces. These must first be removed by mechanical means to expose the substrate prior to priming and overlayment.

SYSTEM OPTIONS

Moisture Barrier

To ensure long-term adhesion to concrete slabs in the absence of a proper vapor barrier, liquid elements offers systems to protect against moisture vapor transmission in the substrate.

DESIGN OPTIONS

Capture Epoxy is available in eight standard colors and three special effects (wind, hammered, and fusion). These colors and effects can be combined in many different ways to provide almost limitless design potential. Custom colors and effects are also available.

Please contact your local Stonhard representative for design assistance.

PHYSICAL CHARACTERISTICS

Tensile Strength (ASTM D-638)	800 psi
Hardness (ASTM D-2240, Shore A)	80-85
Coefficient of Friction (ASTM F-1679)	0.78 (dry*)
Abrasion Resistance (ASTM D-4060, Taber Abrader CS-17 wheel)	0.83 gm max. weight loss
Scratch Resistance (F-1679/Soft Scrub)	17% reduction after 100 cycles
Impact Resistance (D-2794)	110 in-lb.
Indentation Resistance (F-1914)	28% Indentation 0% Residual Indentation
Static Load Limit (F-970)	>250 psi
Water Absorption (ASTM D-570)	0.80%
VOC Content (D-2369, Method E)	Primer 5 g/l Self Leveler 10 g/l
Cure Rate	36 hours(@ 77°F/25°C) for foot traffic & light operations 48 to 72 hours for normal operations

Note: The above physical properties were measured in accordance with the referenced standards. Samples of the actual floor system, including binder and filler, were used as test specimens.

*Due to the smooth nature of this product, Capture is only recommended in dry environments. If Capture is to be used in wet environments, a texture should be added for additional slip resistance.

THICKNESS

The thickness of capture is heavily influenced by the objects that are encapsulated within. Therefore, the thickness will vary by application, with a minimum thickness of a nominal 1.5 mm.

Note: Since Capture is a free-flowing product, it is important that the substrate be flat and level.

MAINTENANCE

We recommend using automatic floor scrubbing machines for routine maintenance of our flooring systems; the Tennant T1 floor scrubber with a 1037197 soft bristle brush attachment for areas less than 5000 sq ft. For larger areas, we suggest the Tennant T3 Oscillating floor scrubber with a white 3M buffing pad.

DAILY CARE

Use the appropriate machine based on square footage to clean the entire floor surface with Stonkleen SR9 at 8 oz dilution per gallon of water.

Dry Cleaning

A Microfiber mop for periodic removal of dust is recommended.

Mid Day Clean Up

General cleaning and clean up of spills can be accomplished using an absorbent cloth or mop. If required, Stonkleen DG2 can be used to remove dirt or deposits. For scuffs or tough stains, Stonkleen SR9 at 8 oz. dilution per gallon of water should be used and then rinsed with clean water. Be sure to dry the affected area with an absorbent cloth to prevent streaking.

Weekly Deep Cleaning

Use the appropriate machine to clean the entire floor surface with Stonkleen SR9 at 16 oz dilution per gallon of water. For high traffic areas especially where heel, chair or caster scuff marks are concentrated, make a pass with the floor machine with vacuum off, allowing SR9 to soften the scuffs. During second pass with the machine, engage the vacuum function and re-scrub. Finally, follow with a clean water rinse of the entire floor.

Scuff Mark Removal

Apply SR9 to stubborn scuffs at 100% concentration, allow a dwell time of 30 seconds to 2 minutes. Either wipe clean with absorbent cloth, or rinse and extract using recommended floor machinery.

Waxing

Waxing is an option for long term maintenance of Liquid Elements flooring systems with a high gloss finish. It will help restore the initial appearance of the floor even under heavy traffic conditions. Site conditions, traffic patterns, and the type of system installed are all factors contributing to the length of time the floor will look new before subsequent waxing steps are required. This will vary from location to location.

1. Clean the floor well using the procedures outlined above.
2. Apply 1 coat of Betco™ Sure Cure or similar using a micro-fiber applicator and allow to dry for 30-60 minutes.
3. Apply 3 coats of Betco™ Hard as Nails Wax or similar using a micro fiber applicator.
 - a. Allow 1-2 hours of dry time between coats.
4. If the floor wax gets scuffed or down glosses, it can be buffed using a high speed electric buffer (1200-2000 rpm) and Light

Grizzly Buffing Pad, along with Betco™ One Step at a 2 oz. per gallon of water dilution.

- a. Using a spray bottle, spray a small amount of One Step solution in the path of the buffer to help condition the floor while buffing. This will lubricate the surface to help prevent burnishing and will fill minor scratches and wear.
5. Over time, continued buffing will wear down the wax layer and additional coats of wax can be applied.
 6. Periodically the floor will need to be stripped back down to the original epoxy layer.
 - a. This should be done if the floor develops a haze that buffing and waxing cannot remove.
 - b. Frequency depends on specific site conditions, traffic, and aesthetic requirements.
 - c. Strip the existing layers of wax using Stonkleen AS9 or similar per the manufacturer's recommended procedures and red 3M stripping pad on a high speed electric floor buffer.
 - d. Once the floor has been stripped, rinse it well with clean water and allow to dry.
 7. After the floor has been stripped of all wax and rinsed clean, apply 1 coat of Sure Cure and 3 coats of Hard as Nails wax as per the above procedures.
 8. Between stripping, the floor can be top scrubbed to help maintain the desired appearance.
 - a. Use a solution of Stonkleen TD9 and a red 3M pad on a floor buffer to remove all ground in dirt.
 - b. Apply a coat of Hard as Nails wax if required.

STORAGE CONDITIONS

Store all components of Capture between 65 to 85°F/18 to 30°C in a dry area. Avoid excessive heat and do not freeze. The shelf life is 3 years in the original, unopened container.

COLOR

Based on the nature of the system, the color will be determined by the objects contained within the system. If a pigmented base is used as part of the design, any color from a Pantone or similar color set can be used. Please contact your local Liquid Elements representative for design assistance.

SUBSTRATE PREPARATION

Proper preparation is critical to ensure an adequate bond. The substrate must be dry and free of all wax, grease, oils, fats, soil, loose or foreign materials and laitance. Laitance and unbonded cement particles must be removed by mechanical methods, eg., abrasive blasting or scarifying. Other contaminants may be removed by scrubbing with a heavy-duty industrial detergent (Stonkleen TD9) and rinsing with clean water. The surface must show open pores throughout and have a sandpaper texture. For recommendations or additional information regarding substrate preparation, contact Liquid Elements' Technical Service Department.

RECOMMENDATIONS

- DO NOT attempt to install the material if the temperature of the Capture components is above 85°F/30°C. Higher temperatures will cause the material to harden more quickly than desired. Conversely, if the temperature of the components is 65°F/18°C or lower, Capture will be stiff and hard to apply. Do not use water or steam in the vicinity of the application. Moisture can seriously affect the working time and other properties.
- Application equipment must be cleaned immediately after use with scouring pads and warm, soapy water, or mineral spirits.
- Avoid contact with all liquid Parts A and B as they may cause skin and/or eye irritation.
- The use of safety glasses and impervious gloves is required during mixing and application.

NOTES

- Detailed instructions on application and installation can be found in the Liquid Elements Installation Guide.
- Procedures for maintenance of the flooring system during operations are described in the Facility Maintenance and Cleaning Services Guide available at www.stonkleen.com.
- Specific information regarding chemical resistance is available in the Liquid Elements Chemical Resistance Guide.
- Material Safety Data Sheets for Capture are available on line at www.liquidelements.com under Tech Info or upon request.
- A staff of technical service engineers is available to assist with installation or to answer questions related to Liquid Elements' products.
- Requests for technical literature or service can be made through local sales representatives and offices, or corporate offices located worldwide.



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