

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 can be used to encapsulate a wide range of colors and objects, with almost limitless potential.

Please contact your local Stonhard representative for design assistance.

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.

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.

PHYSICAL CHARACTERISTICS

Tensile Strength (ASTM D-638)	800 psi
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Hardness (ASTM D-2240, Shore D)	80-85
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Abrasion Resistance (ASTM D-4060, Taber Abrader CS-17 wheel)	0.83 gm max. weight loss
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Scratch Resistance (F-1679/Soft Scrub)	17% reduction after 100 cycles
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Impact Resistance (D-2794)	110 in-lb.
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Indentation Resistance	28% Indentation (F-1914) 0% Residual Indentation
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Static Load Limit (F-970)	>250 psi
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Water Absorption	0.80% (ASTM D-570)
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VOC Content (D-2369, Method E)	Primer 25 g/l Self Leveler 12 g/l
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Cure Rate	36 hours(@ 77°F/25°C) for foot traffic & light operations 48 to 72 hours for normal operations
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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.

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

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.
- Use only in adequate ventilation

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.

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.
- Safety Data Sheets for Capture are available online 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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