

## PRODUCT DESCRIPTION

Crush is a luxurious, trowelled mortar that utilizes a mix of natural aggregates, bound in resin, to create an earthy, yet sophisticated floor. Crush draws from nature, bringing the outside in.

## USES, APPLICATIONS

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

Crush is ideal for applications such as: retail, hospitality, casinos, showrooms, lobbies, restaurants, nightclubs, commercial, and public spaces.

## SUBSTRATE

Crush, 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.

## THICKNESS

Crush can be installed at various thickness, depending on the type and grade of aggregate chosen.

## STORAGE CONDITIONS

Store all components of Crush 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

Compressive Strength (ASTM C-579)	1,700 psi
Hardness (ASTM D-2240, Shore D)	100
Coefficient of Friction (ASTM F-1679)	0.75 (dry)
Slip Resistance Index (ASTM F-1679)	0.54 (wet)
Abrasion Resistance (ASTM D-4060, Taber Abrader CS-17 wheel)	0.05 gm max. weight loss
VOC Content (D-2369, Method E)	Primer 5 g/l Mortar 5 g/l
Cure Rate	24 hours (@77°F/25 °C)

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.

## COLOR

Crush is available in a broad color palette of aggregates. Any color combination is possible. Natural aggregates can be used to create a wide range of color and design options. 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 Crush 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, Crush 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](http://www.stonkleen.com).
- Specific information regarding chemical resistance is available in the Liquid Elements Chemical Resistance Guide.
- Material Safety Data Sheets for Crush are available on line at [www.liquidelements.com](http://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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