



## PRODUCT DESCRIPTION

Polished combines the urban toughness of concrete with a smart, contemporary, mottled look to produce a floor for retail spaces, restaurants, cafes, museums and walkways. Polished incorporates decorative stains with quartz aggregate for a slightly textured surface and a floor that rivals its competition in both appearance and performance.

## USES, APPLICATIONS

Polished is a seamless and decorative flooring system engineered with a textured surface for slip resistance in commercial applications. It is ideally suited for use in retail stores, lobbies, food courts, restaurants, studios, galleries, courtyards, walkways, athletic venues, museums, zoos and a wide variety of public spaces.

## SUBSTRATE

Polished is suitable for application over properly prepared concrete that does not require renovation. In most cases, this will be new or very smooth concrete. Not recommended over wood, brick, tile, asphalt, mastic, gypsum based products or painted surfaces. These must first be removed by mechanical means prior to priming and overlayment.

## SYSTEM OPTIONS

Polished is available in both matte and gloss finishes.

## THICKNESS

Polished is installed at a nominal 2mm thick.

## STORAGE CONDITIONS

Store all components of Polished between 60 to 85°F/16 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

Polished is available in 5 base colors. Please refer to the Polished Color Sheet. Custom colors are available upon request.

## PHYSICAL CHARACTERISTICS

Tensile Strength (ASTM D-638)	4,800 psi
Flexural Strength (ASTM D-790)	2,000 psi
Flexural Modulus of Elasticity (ASTM D-790)	2.6 x 10 <sup>6</sup> psi
Hardness (ASTM D-2240, Shore D)	60-65
Coefficient of Friction(Dry) (ASTM F-1679)	>1.0
Abrasion Resistance (ASTM D-4060, CS-17)	0.03 gm max. weight loss
Impact Resistance (ASTM D-4226)	>160 in./lbs.
Slip Resistance Index(Wet) (ASTM F-1679)	>0.71
Flammability (ASTM E-648)	Class 1
Linear Coefficient of Thermal Expansion (ASTM C-531)	12 x 10 <sup>-6</sup> in./in. °F
Cure Rate (@77°F/25°C)	4 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.

## 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 Polished 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 60°F/16°C or lower, Polished 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.
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- A NIOSH approved air purifying respirator (APR) equipped with organic vapor/acid gas cartridges is required during application of the Stontop Primer.
- Avoid contact with all liquid Parts A and B as they may cause skin and/or eye irritation. Workmen should cover hands with impermeable rubber gloves.
- The use of safety glasses and impervious gloves is required during mixing and application.
- Use only with adequate ventilation.

## 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 Liquid Elements Cleaning Guide available at [www.liquidelements.com](http://www.liquidelements.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](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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