



## PRODUCT DESCRIPTION

Smooth is a liquid rich, free-flowing, seamless floor that offers a sleek, edgy, clean, scratch resistant surface for high profile environments.

## USES, APPLICATIONS

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

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

## SUBSTRATE

Smooth, 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

Smooth is installed at 2-3 mm.

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

## STORAGE CONDITIONS

Store all components of Smooth 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
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 Topcoat 50 g/l (Method C)
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, Smooth is only recommended in dry environments. If Smooth is to be used in wet environments, a texture should be added for additional slip resistance.

## COLOR

Smooth is available as a solid color or blend of two colors. Virtually any color or combination of colors is possible. For solid colors, refer to a standard palette such as Pantone®. For blends, 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 Smooth 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, Smooth 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 Smooth 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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