

### PRODUCT DESCRIPTION

Stonres STR is a nominal 3/16 in./ 5 mm resilient urethane floor system. This seamless, resilient, stain-resistant floor has excellent ergonomic properties and is formulated for applications where a seamless, ergonomic, high-performance finish is required.

Stonres STR is an excellent choice for healthcare facilities, including operating rooms, pharmaceutical, and other commercial applications that require excellent performance and aesthetics.

The system is comprised of the following components/layers:

#### **Stonres STR self-leveler**

A three component, resilient self-leveler.

#### **Stonseal PF7**

Stonseal PF7 is a two-component, pigmented-flat, high-performance, water-based, VOC-compliant, polyurethane coating.

### OPTIONS

#### **Cove base**

To provide an integral seal at the joint between the floor and wall, cove bases in varying heights are available. Contact your local Stonhard representative or technical service for details.

### PACKAGING

Stonres STR is packaged in units for easy handling. Each unit consists of:

#### **Stonres STR Self-leveler - 3/16 in./5 mm option**

5.5 cartons each containing:

- 2 foil bags of isocyanate
  - (11) 5-gallon pails of polyol
- and

#### **5.5 cartons of STR Part**

Each containing:

- 2 poly bags of additive

#### **Stonseal PF7**

1 carton containing

- 1 foil bag of isocyanate
- (1) 1-gallon pail of polyol

### COVERAGE

Each unit of Stonres STR will cover approximately 225 sq. ft./21 sq.m of surface at the nominal 3/16in./5mm thickness option.

### STORAGE CONDITIONS

Store all components of Stonres STR between 60 to 85°F/ 16 to 30°C in a dry area. Avoid excessive heat and do not freeze. The shelf life of the self-leveler is three years, all other components have a shelf life of one year in the original unopened containers.

### COLOR

Stonres STR is available in five standard colors. Limited custom colors are also available. Contact your local Stonhard representative or technical service for details.

### SUBSTRATE

Stonres STR, with the appropriate primer, is suitable for application over concrete, wood, or metal. For questions regarding other possible substrates or an appropriate primer, contact your local Stonhard representative or technical service.

### SUBSTRATE PREPARATION

Proper preparation is critical to ensure an adequate bond and system performance. A flat, level substrate is required for Stonres STR application, and it cannot be installed over a pitched surface. The substrate must be dry and properly prepared utilizing mechanical methods. Questions regarding substrate preparation should be directed to your local Stonhard representative or technical service.

### PRIMING

The use of the Standard primer/SL primer priming system or Primer 150 is required for all applications of STR over concrete or wood. Metal substrates must be primed immediately following preparation with HT primer.

### PHYSICAL CHARACTERISTICS

Hardness.....	60
(ASTM D-2240, Shore D)	
Percent Elongation.....	70%
(ASTM D-638)	
Impact Resistance.....	160 in. lbs.
(ASTM D-2794)	
Static Load Limit.....	0.001 in./0.025 mm
(ASTM F-970)	(250 lb./113 kg. load)
Residual Indentation .....	0.05 % thickness
(ASTM F-1914) .....	(140 lb./64 kg. load)
Abrasion Resistance	0.03 gm
(ASTM D-4060 CS-17)	
VOC Content.....	STR Self-leveler - 4.4 g/l
(ASTM D-2369, Method E)	
	Stonseal PF7 - 3 g/l (Method C)
Cure Rate.....	12 hours for foot traffic
(@77°F/25°C)	48 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. All sample preparation and testing is conducted in a laboratory environment, values obtained on field applied materials may vary and certain test methods can only be conducted on lab made test coupons.

The substrate must be free of voids and pinholes after priming and prior to the start of the self-leveler application, and the primer layer must not be cured for longer than 24 hours to ensure proper intercoat adhesion.

### MIXING

Proper mixing is critical for the products to exhibit the proper application properties, cure properties, and ultimate physical properties. Mechanical mixing is required for all components. See Stonres STR Directions for further details.

### APPLYING

DO NOT attempt to install material if the temperature of the Stonres STR components and substrate are not within 60 to 85°F/16 to 30°C. The cure time and application properties of the material are severely affected if the temperatures are outside of this range. Stonres STR self-leveler is applied with a rake and spike-rolled. For flat coat, roller-apply the first coat. When using Stonseal PF7, roller-apply the first coat and allow 12 hours of cure time. Roller-apply the second coat of Stonseal PF7.

Note: Detailed application instructions can be found in the Stonres STR Directions.

Allow a minimum of 12 hours of cure time before foot traffic and 48 hours before washdown/cleaning procedures commence.

### PRECAUTIONS

- The use of safety glasses and impervious gloves is required during application
- In case of contact, flush the area with copious amounts of water for 15 minutes and seek medical attention. Wash skin with soap and water.
- Use only with adequate ventilation

### NOTES

- Procedures for maintenance of the flooring system during operations are described in the Stonkleen Floor Cleaning Procedures Brochure.
- Specific information regarding chemical resistance is available in the Stonres Chemical Resistance Guide.
- Safety Data Sheets for Stonres STR are available online at [www.stonhard.com](http://www.stonhard.com) under Products, or upon request.
- A staff of technical service engineers is available to assist with installation or to answer questions related to Stonhard products.
- Requests for literature can be made through local sales representatives and offices or corporate offices located worldwide.
- The appearance of all floor, wall, and lining systems will change over time due to normal wear, abrasion, traffic, and cleaning. Generally, high-gloss coatings are subject to a reduction in gloss, while matte-finish coatings can increase in gloss level under normal operating conditions.
- Surface texture of resinous flooring surfaces can change over time as a result of wear and surface contaminants. Surfaces should be cleaned regularly and deep cleaned periodically to ensure no contaminant buildup occurs. Surfaces should be periodically inspected to ensure they are performing as expected and may require traction-enhancing maintenance to ensure they continue to meet expectations for the particular area and conditions of use.

#### IMPORTANT:

Stonhard believes the information contained here to be true and accurate as of the date of publication. Stonhard makes no warranty, expressed or implied, based on this literature and assumes no responsibility for consequential or incidental damages in the use of the systems described, including any warranty of merchantability or fitness. Information contained here is for evaluation only. We further reserve the right to modify and change products or literature at any time and without prior notice.

09/21

© 2021 Stonhard [www.stonhard.com](http://www.stonhard.com)

# STONHARD®

USA HQ	(800) 257 7953	Mexico	+(52) 55 9140 4500	Belgium	+(32) 67 49 37 10	South Africa	+(27) 11 254 5500	Australia	+(61) 3 9587 7433
Canada	(800) 263 3112	Argentina	+(54) 11 5032 3113	Dubai, UAE	+(971) 4 3470460	India	+(91) 22 28500321		