

PRODUCT DESCRIPTION

Stonres STR is a nominal 2 to 3 mm resilient polyurethane floor system. This seamless, stain resistant floor has exceptional acoustic efficiency. Stonres STR can be utilized anywhere a resilient, mono color floor system is required. The system is comprised of the following components/layers:

Stonres STR Base

A two-component, resilient polyurethane self-leveler.

Stonseal PF7

Stonseal PF7 topcoat is a two-component, pigmented, UV resistant, water-based, VOC compliant, polyurethane topcoat.

USES, APPLICATIONS

Stonres STR is specifically designed for those applications where a seamless, decorative and resilient floor system is required. A few typical areas of applications are:

- Schools
- Offices
- Public spaces
- Showrooms
- Hospitals

OPTIONS

Cove Base

To provide for an integral seal at the joint between the floor and the wall, cove bases in heights from 5 to 15 cm are available.

PACKAGING

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

Stonres STR Base - 2 mm option

- 2 Kits each containing:
- 1 Can of Isocyanate
 - (1) 25 kg pail of Polyol
- or

Stonres STR Base - 3 mm option

- 3 Kits each containing:
- 1 Can of Isocyanate
 - (1) 25 kg pail of Polyol

Stonseal PF7

- Containing:
- 1 Carton Stonseal PF7 clear:
 - 1 pail of Polyol
- Pigment:
- 1 can of Isocyanate
 - 1 can of pigment paste

If a textured surface is required texture can be added.

STR Topcoat Part C

- 0.5 carton containing:
- 4 poly bags of micro-texture

COVERAGE

Each unit of Stonres STR will cover approximately 17,5 m² of surface at either the nominal 2 mm thickness option or the nominal 3 mm thickness option.

STORAGE CONDITIONS

Store all components of Stonres STR between 16 to 30°C in a dry area. Avoid excessive heat and do not freeze. The shelf life of the STR Base is 3 years, all other components have a shelf life of one year in the original unopened containers.

COLOR

Stonres STR is available in 8 standard colors. Limited custom colors are also available. Contact your local Stonhard representative or Technical Service for details.

PHYSICAL CHARACTERISTICS

Hardness	60
(ASTM D-2240, Shore D)	
Elongation at break	>40%
(ASTM S-638)	
Impact Resistance	15 Nm
(ASTM D-2794)	
Abrasion Resistance	0.12 gm
(ASTM D-4060, CS-17)	
Cure Rate	12 hours for Foot traffic
(@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.

SUBSTRATE

Stonres STR, with the appropriate primer, is suitable for application over properly prepared substrate that does not require renovation. In most cases, this will be new or very smooth substrate. For questions regarding other 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. The substrate must be dry and properly prepared utilizing mechanical methods. Questions regarding substrate preparation should be directed to your local Stonhard's representative or Technical Service.

Note: A flat level substrate is required for Stonres STR application and cannot be installed over a pitched surface.

PRIMING

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

The substrate must be free of voids and pinholes after priming and prior to the start of the SL 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 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 Base is applied with a 2 or 3 mm rake and spike rolled.
- Apply the first coat of Stonseal PF7 and let cure. After 6-8 hours of cure time, lightly sand the topcoat then roller apply the second coat of PF7.
- For additional slip resistance you can add STR Topcoat Part C to the sealer.

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.

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 on line at www.stoncor-europe.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.

CE MARKING

The harmonized European Standard EN 13813 „Screed material and floor screeds- Screed materials - Properties and requirements“ specifies the requirements for screed materials for use in floor construction internally. Resinous flooring systems as well as resinous screeds fall under this specification they have to be CE-labeled as per Annex ZA., Table ZA.1.5 and 3.3 and fulfill the requirements of the given mandate of the Construction Products Regulation no. 305/2011


StonCor Europe Rue du Travail 9 1400 Nivelles, Belgium I3
DOP-2013.03.002 EN 13813 SR-AR1.0-B2.0-IR15
Synthetic resin flooring system for use internally in buildings (system as per Product Data Sheet) Release of corrosive substances:SR Wear resistance:AR1.0 Adhesion strength by pull-off test:..... > B2.0 Impact resistance:IR15 Chemical resistance:CRG*
* CRG: see Stonhard Chemical Resistance Guide

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.

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European Offices:

Belgium	+32 674 93 710	Spain	+34 933 623 785	Germany	+49 240 541 740
France	+33 160 064 419	Portugal	+351 227 535 642	The Netherlands	+31 165 585 200
Poland	+48 422 112 768	United Kindom	+44 1925 649 458	Italy	+39 022 53 751
		East Europe	+48 422 112 768		