

PRODUCT DESCRIPTION

Stonres DEC is a nominal 3/16 in./5mm resilient, aliphatic polyurethane flooring system. This easy-to-clean, seamless system provides acoustic and thermal insulation and ergonomic comfort while exhibiting superior aesthetics. These characteristics combined with the system's corrosion, wear and slip-resistant properties make it the ideal solution for outdoor applications, such as: water parks, pool decks, beach areas, and other wet area applications. The system is comprised of:

Stonres DEC Mortar

A two-component, UV-resistant, pigmented, aliphatic polyurethane mortar.

Stonseal CF7

A two-component, clear flat, high-performance, water-based, VOC-compliant, polyurethane coating.

PACKAGING

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

Stonres DEC Mortar

- (8) 5 gallon pail of Polyol
- (8) 3 gallon pail of Isocyanate

3 cartons containing:
8 bags of Rubber Chips

Stonseal CF7

- 1.5 cartons, each containing:
- 1 foil bag of Isocyanate
 - (1) 1-gallon pail of Polyol

COVERAGE

Each unit of Stonres DEC will cover approximately 300 sq. ft./27 sq. m. at a nominal 3/16 in./5 mm thickness.

STORAGE CONDITIONS

Store all components of Stonres DEC between 60 and 85°F/16°C to 30°C) in a dry area. Avoid excessive heat, direct sunlight and do not freeze. The shelf life of the material is one year in the original, unopened containers.

COLOR

Stonres DEC is available in 5 standard colors. Custom colors are available upon request. Contact your local Stonhard Representative or Technical Service for details.

SUBSTRATE

Stonres DEC, with the appropriate primer, is suitable for application over properly prepared concrete, wood, steel or aluminum surfaces. It is not recommended for use over asphalt, mastic, gypsum-based products, brick or painted surfaces. 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 DEC application and cannot be installed over a pitched surface. The substrate must be clean, dry, free of contamination, and properly prepared utilizing mechanical methods before material application. 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 is required for all applications of Stonres DEC over concrete or wood. Metal substrates must be primed immediately following preparation with HT Primer. The substrate must be free of voids and pinholes after priming and prior to application of the mortar. The primer 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, cure properties and ultimate physical properties.
- Mechanical mixing is required for all components.
- See Stonres DEC Directions for details.

PHYSICAL CHARACTERISTICS

VOC Content.....Mortar	14 g/l
(ASTM 2369).....Sealer	47 g/l
Hardness.....	35
(ASTM D-2240, Shore D)	
Pot Life.....	60 min
(@74°F/23°C)	
Cure Rate.....	5-6 hours for initial set
(@74°F/23°C).....	24 hours for light traffic
.....	7 days for ultimate physical properties

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.

APPLYING

- DO NOT attempt to install material if the temperature of the Stonres DEC 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 this range.
- Stonres DEC mortar material is mixed just prior to use in accordance with the prescribed directions. The mortar is then screed rake or notch trowel applied and spike rolled.
- After a minimum of 12 hours since application of the mortar, sand the surface using an approved floor sander with either 36 or 60 grit sandpaper (dependent upon required slip resistance) and an edge sander with 60 grit sandpaper.
- Apply the first coat of Stonseal CF7 with a roller.
- After 12 hours of cure, apply the second coat of Stonseal CF7. Allow a minimum of 12 hours of cure before foot traffic and 48 hours before washdown/cleaning procedures commence.

Note: Two coats of Stonseal CF7 are required for all applications of Stonres DEC.

- Detailed application instructions can be found in the Stonres DEC Directions.

NOTES

- Procedures for maintenance of the flooring system during operations are described in the Stonklean Floor Cleaning Procedures Brochure.
- Specific information regarding chemical resistance is available.
- Safety Data Sheets for Stonres DEC are available online at 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 technical service or 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.

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