PRODUCT DESCRIPTION

Stontec UTF is a nominal 2 mm flake broadcast flooring system that combines a decorative appearance with excellent chemical, stain, and wear resistance. This polyaspartic urethane system creates a stain-resistant surface that can be installed quickly and with little odor. It is comprised of:

Stonhard Primer
Appropriate primer for sealing and bonding to the substrate.

Texture 3
Uniform Silica aggregate

Stontec UTF Undercoat
A three-component undercoat consisting of a polyaspartic urethane resin, aliphatic isocyanate, and filler

Stontec Flakes
Brightly-colored flakes

Stonseal CA7
A two-component, UV-resistant, aliphatic polyaspartic urethane sealer

OPTIONS

Cove Base
To provide for an integral seal at the floor-wall interface, cove base in heights from 2 to 6 in./5 to 15 cm is available.

Thickness
For areas requiring increased thickness, a 1/8 to 3/16 in./3 to 5 mm of mortar may be added.

PACKAGING

Stontec UTF is packaged in units for easy handling.
Each unit consists of:

Texture 3
1.5 individual bags of silica- aggregate

Stontec UTF Undercoat
1 carton of Stonseal CA7 containing:
- 4 foil bags of isocyanate
- 4 foil bags of amine

4 individual bags of undercoat filler

Stontec Flakes
0.9 individual boxes of small (1/16 in.) colored flakes
or
0.7 individual boxes of large (1/4 in.) colored flakes

Stonseal CA7
1 carton containing:
- 4 foil bags of isocyanate
- 4 foil bags of amine

IMPORTANT: Appropriate primer must be ordered separately depending on the substrate.

COVERAGE

Each unit of Stontec UTF will cover approximately 200 sq. ft./18.6 sq. m of surface at a nominal 2 mm thickness.

STORAGE CONDITIONS

Store all components of Stontec UTF between 60 to 85˚F/16 to 30˚C in a dry area. Avoid excessive heat and do not freeze. The shelf life is one year in the original, unopened container.

PHYSICAL CHARACTERISTICS

Tensile Strength (ASTM D-638)	2,200 psi
Flexural Strength (ASTM D-790)	2,000 psi
Flexural Modulus of Elasticity (ASTM D-790)	2.6 x 106 psi
Hardness (ASTM D-2240, Shore D)	60
Indentation (MIL-D-3134F)	no indentation
Linear Coefficient of Thermal Expansion (ASTM C-531)	23 x10-6 in./in. ˚F
Working Time @ 75˚F/24˚C (ASTM C-308)	15 to 20 minutes
Cure Rate (@77˚F/25˚C)	4 hours for foot traffic 24 hours for normal operation
Impact Resistance (ASTM D-4226)	Exceeds 160 in.-lbs.
Abrasion Resistance (ASTM D-4060, CS-17)	0.03 gm max. weight loss
Flammability (ASTM E-648)	Class 1
VOC Content (ASTM D-2369, Method E)	UTF Undercoat - 22 g/l Stonseal CA7 - 100 g/l

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.

COLOR
Stontec UTF is available in twelve standard colors in small (1/16 in.) or large (1/4 in.) sized flakes. Refer to the Stontec Color Sheet. Custom colors are available upon request.

Note: Micro (1/32 in.) flakes are available upon special request.

SUBSTRATE
Stontec UTF, with the appropriate primer, is suitable for application over properly prepared concrete, wood, brick, quarry tile, metal, or Stonhard Stonset grouts. 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. 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 appropriate primer is necessary for all applications of Stontec UTF. The primer must be tack-free prior to the application of the undercoat.

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 Stontec UTF Directions for further details.

APPLYING
- DO NOT attempt to install material if the temperatures of Stontec UTF components are not within 40 to 85˚F/5 to 30˚C.The cure time and application properties of the material are affected by temperature and severely affected by humidity levels.
- The primer is mixed, applied to the floor, and broadcast to refusal with Texture 3. The primer is allowed to cure and excess aggregate is removed.
- The undercoat is mixed, applied to the floor, and broadcast to refusal with Stontec flakes. The undercoat is allowed to cure and excess flake is removed.
- Stonseal CA7 is mixed, applied to the floor, and allowed to cure. The floor is lightly sanded and vacuumed.
- A second Stonseal CA7 is applied to the floor and allowed to cure.

Refer to the Stontec UTF Directions for further detail.

PRECAUTIONS
- Use these materials only in strict accordance with the manufacturer's recommended safety procedures. Dispose of waste materials in accordance with government regulations.
- The selection of proper protective clothing and equipment will significantly reduce the risk of injury. Body-covering apparel, safety goggles or safety glasses, and impermeable gloves are required.
- In case of contact, flush area with water for 15 minutes and seek medical attention. Wash skin with soap and water.
- If material is ingested, immediately contact a physician. DO NOT INDUCE VOMITING.

NOTES
- Procedures for cleaning of the flooring system during operations can be found in the Stonhard Floor Maintenance Guide.
- Specific information regarding chemical resistance is available in the Stontec Chemical Resistance Guide.
- Safety Data Sheets for Stontec UTF 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 flooring 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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