

## PRODUCT DESCRIPTION

Stongard TM is a durable, elastomeric, traffic bearing membrane installed at 1.5 to 2 mm, depending on the conditions of use. This high build system provides a durable, UV stable, waterproof system suitable for various areas of parking structures, as well as a variety of other traffic bearing applications. Stongard TM exhibits excellent chemical resistance to road salts and petroleum based products.

## OPTION – PARKING RAMPS

When installing Stongard TM on parking ramps or helical risers in parking structures, aluminium oxide is broadcast into the system at a minimum of 1.75 mm for maximum slip resistance and wearability.

## VOC RESTRICTED APPLICATIONS

Contact Stonhard Technical Service for VOC and odour compliant topcoat options.

## PACKAGING

Stongard TM is comprised of Stonchem 441, UT Medium Texture and Stonseal GS6. Each unit consists of:

### Stonchem 441

15 gallon unit:

- (1) 5 gallon pail of Isocyanate
- (2) 5 gallon pail of Polyol

### Texture

2 bags UT Medium texture aggregate

### Stonseal GS6 (pigmented)

3.25 cartons each containing:

- 1 foil bag of Isocyanate
- (1) 1 gallon can of Polyol

### Stonchem 441

150 gallon unit:

- (1) 50 gallon drum of Isocyanate
- (2) 50 gallon drums of Polyol

### Texture

20 bags UT Medium texture aggregate

### Stonseal GS6 (pigmented)

32.5 cartons each containing:

- 1 foil bag of Isocyanate
- (1) 1 gallon can of Polyol

## COVERAGE

One unit of Stongard TM @ 1.3 mm will cover approximately 44.6 m<sup>2</sup> with the 15 gallon unit and 445 m<sup>2</sup> with the 150 gallon unit.

## PHYSICAL CHARACTERISTICS

Tensile Strength (ASTM D-638)	18 N/mm <sup>2</sup>
Abrasion Resistance (ASTM D-4060, CS-17)	0.035 gm max weight loss
Elongation (ASTM D-638)	125%
Low Temperature Flexibility Test (ASTM D-522)	23°C Pass
VOC Content (ASTM D-2369)	Stonchem 441 – <1 g/l Stonseal GS6 – 234 g/l
Cure Rate	12 hours for foot traffic 24 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

## STORAGE CONDITIONS

Store all components of Stongard TM between 16 to 30°C in a dry area, out of direct sunlight. **BE SURE TO HANDLE AND STORE PROPERLY.** The shelf life is one year in the original, unopened container.

## COLOUR

Stongard TM is available in 15 standard colours. Custom colours are available upon request.

## SUBSTRATE

Stongard TM, with the appropriate primer, is suitable for application over 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

All concrete surfaces must be primed with HT Primer or Stonchem Epoxy Primer. The primer should be allowed to cure prior to installing Stongard TM. For other surfaces, consult Stonhard's Technical Service Department.

## MIXING

- Proper mixing is critical for the product to exhibit the proper application properties, cure properties and ultimate physical properties.
- Mechanical mixing using a slow-speed drill and mixing blade.
- See Stongard TM Directions for further details.

## APPLYING

- DO NOT attempt to install material if the temperature of Stongard MR components and substrate are not within 13 to 32°C. The cure time and application properties of the material are severely affected at temperatures outside of this range.
- Material must be applied immediately after mixing.
- Detailed application instructions can be found in the Stongard TM Directions.

## NOTES

- Procedures for maintenance of the flooring system during operations are described in the Stonkleen Floor Cleaning Procedures Brochure.
- Safety Data Sheets for Stongard TM are available on line at [www.stonhard-europe.com](http://www.stonhard-europe.com) under Products or upon request.
- Specific information regarding chemical resistance is available in the Stonseal GS6 Product Data sheet.
- 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 world- wide.
- 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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