

### PRODUCT DESCRIPTION

Stonshield Cove Base is a four-component, troweled, epoxy mortar floor system used to create an integral cove base with Stonshield systems. It consists of an epoxy resin, amine curing agent and selected, graded aggregates blended with inorganic pigments. Stonshield Cove Base is applied at thickness of 3 mm and a height up to 15 cm and cures to a hard, impact resistant mortar which exhibits excellent abrasion, wear and chemical resistance and can be used anywhere a Stonshield system is used.

### SYSTEM OPTIONS

#### Coatings

To improve cleanability and increase the resistance to damage from abrasion and chemical spillages, the following coatings are required depending upon the system installed: Stonkote CE4, Stonseal CA7 and Xpress Sealer. Other coating options are available, please contact your local Stonhard representative or Technical Service for specific requirements.

#### Waterproofing

Where the total system must be waterproof, use of Stonhard's Stonproof ME7 membrane system is required, with strict adherence to application instructions.

### PACKAGING

Stonshield Cove Base is packaged in units for easy handling.

Each unit consists of:

2 cartons, each containing:

- 6 foil bags of Amine
- 6 poly bags of Resin

2 cartons, each containing:

- 6 bags of glass filler

12 individual bags of aggregate

### COVERAGE

Each unit of Stonshield Cove Base will cover approximately:

- 90 m at a height of 5 cm
- 70 m at a height of 10 cm
- 54 m at a height of 15 cm

### STORAGE CONDITIONS

Store all components of Stonshield Cove Base between 16 to 30°C in a dry area. Avoid excessive heat and do not freeze. The shelf life is 3 years in the original, unopened container.

### COLOR

Stonshield Cove Base is available in 12 standard colors. Refer to the Stonshield Color Sheet. Please contact your local Stonhard representative or Technical Service with any questions.

### PHYSICAL CHARACTERISTICS

Compressive Strength (ASTM C-579)	52,4 N/mm <sup>2</sup> after 7 days
Tensile Strength (ASTM C-307)	7,6 N/mm <sup>2</sup>
Flexural Strength (ASTM C-580)	8,3 N/mm <sup>2</sup>
Flexural Modulus of Elasticity (ASTM C-580)	2.8 × 10 <sup>3</sup> N/mm <sup>2</sup>
Hardness (ASTM D-2240, Shore D)	85 to 90
Impact Resistance (ASTM D-2794)	18 N/m
Abrasion Resistance (ASTM D-4060, CS-17)	0.06 gm max. weight loss
Thermal Coefficient of Linear Expansion (ASTM C-531)	2,5 × 10 <sup>-6</sup> mm/m°C
VOC Content (ASTM D-2369)	5 g/l
Cure Rate (@25°C)	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 coupons.

### SUBSTRATE

Stonshield Cove Base, 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

The use of Standard Primer is necessary for all applications of Stonshield Cove Base over all substrates except Stonset grouts. Over Stonset grouts, Stonhard's Stonset Primer is used. Please see the appropriate primer Product Data sheet for details.

## MIXING

- Proper mixing is critical for the product to exhibit the proper application properties, cure properties and ultimate physical properties.
- Mechanical mixing using a JB Blender (or equivalent 5 gal. pail mixer) or a larger mortar mixer (e.g., a Baugh 3 Batch Mixer) is required.
- See Stonshield Cove Base Directions for further details.

## APPLYING

- DO NOT attempt to install material if the temperature of Stonshield Cove Base components and substrate are not within 16 to 30°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.
- Steel finishing trowels are used to compact and smooth the surface of the material to the required thickness and height.
- Detailed application instructions can be found in the Stonshield Cove Base Directions.

## 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 Stonshield Chemical Resistance Guide. Consult the corresponding Stonshield systems Product Data for details regarding chemical resistance of the coating utilized.
- Safety Data Sheets for Stonshield Cove Base are available on line at [www.stonhard.com](http://www.stonhard.com) under Products or upon request.
- A NIOSH approved air purifying respirator (APR) equipped with organic vapor/acid gas cartridges is required during application of the Stonseal CA7.
- 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.

**STONHARD** A Division of **STONCOR** Group

[www.stoncor-europe.com](http://www.stoncor-europe.com)

Belgium	+32 67493710	Spain/Portugal	+351 707200088	Germany	+49 240541740
France	+33 160064419	United Kingdom	+44 1256336600	The Netherlands	+31 165585200
Poland	+48 422112768	East Europe	+31 165585200	Italy	+39 02253751