PRODUCT DESCRIPTION

Stonclad UF Cove Base is a four-component, trowelled, polyurethane mortar floor system used to create an integral cove base with Stonclad UF systems. It consists of a urethane urea binder, pigments and an aggregate blend of flint and graded quartz aggregates. Stonclad UF 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 Stonclad UF system is used.

PACKAGING

Stonclad UF Cove Base is packaged in units for easy handling. Each unit consists of:

3 cartons, each containing:
- 4 foil bags of Isocyanate
- 4 poly bags of Polyol

1 carton of Stonclad C-2 pigment, each containing:
- 12 bags of Part C-2 powdered pigment packs

12 individual bags of Part C-1 Aggregate

COVERAGE

Each unit of Stonclad UF 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

PHYSICAL CHARACTERISTICS

Compressive Strength (EN 13892-2)	43,7 N/mm² after 7 days
Tensile Strength (ASTM C-307)	5,86 N/mm²
Flexural Strength (EN/ISO 178)	11 N/mm²
Adhesion Strength. (EN 13892-8)	>B2.0 N/mm² (cohesive failure of concrete substrate)
VOC Content (ASTM D-2369)	11 g/l
Abrasion/Wear Resistance (EN 13892-4)	< 0.25 µm (AR0.5)
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.

STORAGE CONDITIONS

Store all components of Stonclad UF Cove Base between 16 to 30˚C in a dry area. Avoid excessive heat and do not freeze. The shelf life of the liquids is one year while the C-1 aggregate has a 6-month shelf life each in the original, unopened container

COLOUR

Stonclad UF Cove Base is available in 10 standard colours. Refer to the Stonclad UF Colour Sheet. Contact your local Stonhard representative or Technical Service with any questions.

SUBSTRATE

Stonclad UF 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 Urethane Primer is necessary for all applications of Stonclad UF Cove Base over all substrates. Please see the appropriate primer Product Data Sheet for details. Primer must remain tacky prior to the application of Stonclad UF.

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 20 litres pail mixer) or a larger mortar mixer (e.g., a Baugh 3 Batch Mixer) is required.

1. Pour contents of polyol into 20 litres mixing pail.
2. Pour contents of isocyanate into the same pail.
3. Empty the entire contents of the pigment pack into the same pail.

Note: All of the liquid must be completely removed from the isocyanate and polyol bags.

4. Transfer the mixing pail to a JB Blender, insert the JB paddle and activate the timer to start the 90 second blending cycle.
5. When the blender stops, reactivate the timer and immediately pour the entire contents of one bag of Part C-1 aggregate into the rotating mixing pail. Allow the four components to mix for the entire cycle.
6. When the blender stops, scrape off any mixing material that may be adhering to the mixing paddle. Deliver the mixed material to the workers who will be applying it to the cove.

Note: A larger mortar mixer (e.g. a Baugh 3 Batch Mixer) can be used to mix the urethane mortar. The isocyanate, polyol and pigment should be pre-mixed in a 20 litres pail using a drill and a mixing blade for 90 seconds prior to introduction into the large mortar mixer. The mix time for the aggregate is 90 seconds. The final bag of aggregate added to the bulk mixer must get at least 90 seconds of mix time. The mixed material can be transferred to a wheel barrel and delivered to the workers who will be applying it to the floor. Ensure you have enough manpower to use up more than one batch of material. Any material left in the bucket will react more quickly and become harder to apply.

APPLYING

- DO NOT attempt to install material if the temperature of Stonclad UF Cove Base components and substrate are not within 7 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.

General Application Guidelines

1. Spread the material along the base of the wall.
2. Using a steel finishing trowel, “rough in” the vertical cove by running the trowel along the wall. Use the cove strip as a guide for thickness.
3. Finish the cove and radius using a proper high cove tool. Use the cove strip as a guide.
4. Feather the material into the substrate where the radius terminates.
5. Pull the tape from the wall as the cove is completed.

> **Note:** The Stonclad UF Cove Base can be applied the day before application of Stonclad UF or recommended) it can be applied on top of Stonclad UF the day after it is applied following the above application guidelines.

- Refer to Tech Line Vol. 34 for further information.

NOTES

- Procedures for maintenance of the flooring system during operations are described in the Floor Cleaning & Maintenance Guide Brochure.
- Specific information regarding chemical resistance is available in the Stonhard Chemical Resistance Guide.
- Safety Data Sheets for Stonclad UF Cove Base 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 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.

PRECAUTION

Avoid contact with the liquids as they may cause skin and/or eye irritation. In the case of eye contact, immediately flush the area with copious amounts of clean water for at least 15 minutes and seek medical attention. Workmen should cover hands with impervious gloves & wear safety glasses. Wash hands thoroughly with soap and water after use and before eating, smoking, etc. A P3 dust mask must be worn during substrate preparation.

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-labelled as per Annex ZA., Table ZA.1.5 and 3.3 and fulfil the requirements of the given mandate of the Construction Products Regulation no. 305/2011

CE

Stonhard Europe
Rue du Travail 9
1400 Nivelles, Belgium

26

DOP.UF-CB.2026.01.13

EN 13813 Screed Material and Floor Screeds

Synthetic resin flooring system for use in buildings
(system as per Product Data Sheet)

Reaction to Fire:	NPD*
Release of corrosive substances:	SR
Water permeability:	NPD*
Compressive strength:	C40
Flexural strength:	F10
Wear resistance:	AR0.5
Bond strength:	B2.0
Impact resistance:	IR
24	
Sound insulation:	NPD*
Sound absorption:	NPD*
Thermal resistance:	NPD*
Chemical resistance:	CRG**

*NPD: No Performance Determined
**CRG: See Stonhard Chemical Resistance Guide

STONHARD EST. 1922

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 73 70 44 106
Poland	+48 422 112 768	United Kingdom	+44 1925 649 458	Italy	+39 022 53 751
		East Europe	+48 422 112 768		