

PRODUCT DESCRIPTION

Stontec QBF is a nominal 1.5 mm thick decorative flooring system with a stain resistant surface for quick turnaround applications. The color flake broadcast layer results in an attractive floor surface with unlimited color options and is sealed with an epoxy sealer to form a seamless surface. It is comprised of:

Stonproof ME-7

A two-component, free flowing, 100% solids, urethane elastomeric membrane.

Stontec Flakes

Brightly colored flakes (6 mm flakes only)

Stonkote CE4

A two-component, high solids, high performance, UV resistant, clear epoxy sealer.

PACKAGING

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

Stonproof ME7

0.67 carton containing:

6 foil bags of Isocyanate (curing agent)

0.67 carton containing:

6 poly bags of Polyol (resin)

Note: The color of Stonproof ME7 is determined by flake color selected.

Stontec Flakes

1 individual box of (6 mm) colored flakes

Stonkote CE4

0.8 carton containing:

6 foil bags of Amine

6 poly bags of Resin

COVERAGE

Each unit of Stontec QBF will cover approximately 18.6 m² of surface at a nominal 1.5 mm thickness.

SYSTEM LIMITATIONS

- Stontec QBF is not a waterproofing system unless a separate Stonproof ME7 layer is applied over a primed substrate.
- Cove base is not recommended for the Stontec QBF system without extending the project schedule.
- Substrates with slopes greater than 1 cm per meter are not recommended for Stontec QBF.
- Stontec QBF includes one thick coat of Stonkote CE4. This allows for a quick installation but can result in sealer inconsistencies. If a smooth finish is required an additional sealer coat should be added.

STORAGE CONDITIONS

Store all components of Stontec QBF 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.

PHYSICAL CHARACTERISTICS

Abrasion Resistance (ASTM D-4060, CS-17)	0.52 gm weight loss
Cure Rate (@25°C)	12 hours for Foot traffic 24 hours for normal operations
Flammability (ASTM E-648)	Class I
VOC Content (ASTM D-2369, Method E)	Stonproof ME7 - 6 g/l Stonkote CE4 - 34 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 QBF is available in 12 standard colors in large (0.6 mm) sized flakes. Refer to the Stonshield color sheet. Custom colors are available upon request.

Note: Only large (6 mm) flakes are permitted with Stontec QBF.

USGBC LEED RATING

Stontec QBF meets the requirements of LEED;

- MR Credit 1 – Building Reuse
- MR Credit 2 – Construction Waste Management
- MR Credit 6 – Rapid Renewable Materials
- IEQ Credit 4 – Low Emitting Materials
- VOC content of the total system <100 g/l

SUBSTRATE

Stontec QBF, is suitable for application over properly prepared concrete that does not require renovation. In most cases, this will be new or very smooth concrete. For questions regarding other 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's representative or Technical Service.

PRIMING

The use of a primer prior to the application of the Stontec QBF system is typically not required. However, if the existing substrate is very porous, priming with HT Primer will minimize undercoat soak in and result in a better application. The HT Primer must be allowed to cure prior to overlaying with the Stonproof ME7. Questions regarding priming prior to the application of the QBF should be directed to Stonhard's Technical Service Department.

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 QBF Directions for further details.

APPLYING

- **DO NOT** attempt to install material if the temperature of Stontec QBF components and substrate are not within 16 to 30°C. **The cure time and application properties of the material are severely affected by temperatures and severely affected by humidity levels.**
- The Stonproof ME7 is mixed, applied to the floor and broadcasted to refusal with Stontec flakes. The Stonproof ME7 is allowed to cure and excess flake is removed.
- Stonkote CE4 is mixed, applied to the floor and allowed to cure.

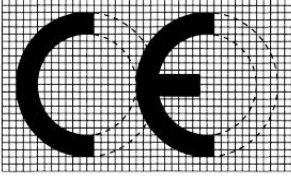
Refer to the Stontec QBF Directions for further detail.

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 Stontec Chemical Resistance Guide.
- Safety Data Sheets for Stontec QBF are available on line at www.stonhard-europe.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.

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

	
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DOP-2013.06.004	
EN 13813 SR-AR1.0-B2.0	
Synthetic resin flooring system for use internally in buildings (system as per Product Data Sheet)	
Release of corrosive substances:	SR
Wear resistance:	AR1.0
Adhesion strength by pull-off test:	> B2.0
Chemical resistance:	CRG*
* CRG: see Stonhard Chemical Resistance Guide	

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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