

PRODUCT DESCRIPTION

Stonshield Xpress is a nominal 3/32 to 1/8 in./2 mm to 3 mm quartz broadcast flooring system with quick installation turn-around time that combines a decorative appearance with excellent chemical, stain and wear resistance. Its slip-resistant surface remains stain resistant and easy to clean.

SYSTEM OPTIONS

Waterproofing

Where the total system must be waterproof, the use of Stonhard's Stonproof ME7 membrane system with Texture #3 broadcast to refusal is required with a strict adherence to application instructions.

Crack Treatment

When crack treatment is needed due to cracks in the substrate, the use of Stonhard's Stonproof CT5 or RH7 with Texture #3 broadcast to refusal is required with strict adherence to application instructions.

Cove Base

To provide for an integral seal at the joint between the floor and the wall, cove bases in heights from 2 to 6 in./5 to 15 cm are available.

Thickness

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

PACKAGING

Stonshield Xpress is packaged in units for easy handling. Each unit consists of:

Xpress Primer

(0.5) 5 gallon pail of Xpress Primer Resin

Stonshield Aggregate - 2 mm option

10 individual bags of colored Quartz Aggregate

Stonshield Aggregate - 3 mm option

15 individual bags of colored Quartz Aggregate

Xpress Undercoat - 2 mm option

(1) 5 gallon pail of Xpress Undercoat Resin

Xpress Undercoat - 3 mm option

(1.5) 5 gallon pail of Xpress Undercoat Resin

Xpress Sealer

(1) 5 gallon pail of Xpress Sealer Resin

Xpress Catalyst - 2 mm option

(0.4) 2 gallon pail of Catalyst

Xpress Catalyst

0.5) 2 gallon pail of Catalyst - 3 mm option

Xpress Solvent

(0.01) 5 gallon pail of Solvent

COVERAGE

Each unit of Stonshield Xpress will cover approximately 250 sq. ft./23.2 sq. m of surface at 3/32 to 1/8 in./2 mm or 3 mm nominal thickness.

STORAGE CONDITIONS

Store all components of Stonshield Xpress between 60 to 77°F/16 to 25°C in a dry area. Keep out of direct sunlight. Avoid excessive heat and do not freeze. Shelf life is one year in the original unopened container.

PHYSICAL CHARACTERISTICS

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| Tensile Strength (ASTM D-638) | 5,900 psi |
| Hardness (ASTM D-2240, Shore D) | 80 |
| Impact Resistance (ASTM D-4226) | >160 in./lbs. |
| Abrasion Resistance (ASTM D-4060, CS-17) (sealed) | 0.06 gm max. weight loss |
| Flexural Strength (ASTM D-790) | 2,000 psi |
| Flexural Modulus of Elasticity (ASTM D-790) | 1.7x10 ⁶ psi |
| Linear Coefficient of Thermal Expansion (ASTM C-531) | 1.8x10 in./in. °F |
| VOC Content (ASTM D-2369, Method E) | Xpress Primer - 42 g/l Xpress Undercoat - 37 g/l Xpress Sealer - 40 g/l |
| Cure Rate | 1 hour for normal operations |
| Installation Temperature Range | 0°F/-17°C to 80°F/26°C |

Note: The above physical properties were measured in accordance with the referenced standards. Samples of

COLOR

Stonshield Xpress is available in twelve standard colors. Refer to the Stonshield Color Sheet. Custom colors are available upon request.

SUBSTRATE

Stonshield Xpress, 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.

Note: For applying over an existing MMA floor, the surface must be sanded and Xpress Solvent wiped.

PRIMING

The use of Xpress Primer is necessary for all applications of Stonshield Xpress over all substrates other than existing MMA floors. Aggregate must be seeded into the wet primer to provide traction for the following steps. The Xpress Primer must be fully cured and concrete must be completely sealed off 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.
- Refer to the Stonshield Xpress Directions for further details.

APPLYING

- DO NOT attempt to install material if the temperature of the Stonshield Xpress components are not within 60 to 77°F/16 to 25°C.
- Xpress Primer is mixed, applied to the floor and sparsely broadcasted with Stonshield Aggregate. The primer is allowed to cure.
- Xpress Undercoat is mixed, applied to floor and broadcasted to refusal with Stonshield Aggregate. The undercoat is allowed to cure and excess aggregate is removed.
- Apply one or two more layers of Xpress undercoat and Stonshield Aggregate to achieve the proper thickness.
- Xpress sealer is mixed, applied to the floor and allowed to cure.
- A second coat of Xpress sealer is applied to achieve desired texture.
- Refer to the Stonshield Xpress Directions for further detail.

CLEANING UP

Xpress Solvent is recommended for cleanup of the unreacted Xpress Sealer material. The reacted material will require mechanical means of removal. Use these materials only in strict accordance with the manufacturer's recommended safety procedures. Dispose of waste materials in accordance with government regulations.

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 use of NIOSH/MSHA approved respirators using an organic vapor/acid gas cartridge is mandatory.
- 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.
- Use only with adequate ventilation. Inhalation of vapors may cause severe headaches, nausea and possibly unconsciousness.
- During prep-work of floor substrate or mixing of Stonhard product while adding aggregate, dust masks must be worn.

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.
- Safety Data Sheets for Stonshield Xpress 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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