

### PRODUCT DESCRIPTION

Stontec Xpress is a nominal 3/32 to 1/8 in./2 mm to 3 mm flooring system that combines a decorative appearance with excellent chemical, stain and wear resistance. This methyl methacrylate resin based system provides quick turn-around times and a moderate degree of slip resistance. It is comprised of:

#### *Xpress Primer*

A two-component, low viscosity, methyl methacrylate resin primer

#### *Stontec Xpress Undercoat*

A three-component, medium viscosity, methyl methacrylate resin

#### *Stontec Flakes*

Brightly colored flakes

#### *Xpress Sealer*

A two-component, low viscosity, UV resistant, methyl methacrylate sealer

### OPTIONS

#### *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

Stontec Xpress is packaged in units for easy handling.

Each unit consists of:

#### *Xpress Primer*

(0.5) 5 gallon pail of acrylic resin

#### *Stonshield Aggregate*

1 individual bags of colored quartz aggregate

#### *Stontec Xpress Undercoat - 2mm option*

(1.33) 5 gallon pail of acrylic resin  
6.67 bags of undercoat filler

#### *Stontec Xpress Undercoat - 3mm option*

(2) 5 gallon pail of acrylic resin  
10 bags of undercoat filler

#### *Stontec Flakes*

0.83 individual boxes of small (1/16 in.) colored flakes  
or  
0.625 individual boxes of large (1/4 in.) colored flakes

### PHYSICAL CHARACTERISTICS

|  |                                 |
|--|---------------------------------|
| <b>Tensile Strength</b> . . . . .                        | 5,900 psi                       |
| (ASTM D-638)   |                                 |
| <b>Hardness</b> . . . . .                                | .80                             |
| (ASTM D-2240, Shore D)                                   |                                 |
| <b>Impact Resistance</b> . . . . .                       | >160 in./lbs.                   |
| (ASTM D-4226)  |                                 |
| <b>Abrasion Resistance</b> . . . . .                     | .03 gm max. weight loss         |
| (ASTM D-4060, CS-17)                                     | (sealed)                        |
| <b>Cure Rate</b> . . . . .                               | One hour                        |
| (@ 77°F/25°C)  | for normal operations           |
| <b>Flexural Strength</b> . . . . .                       | 2,000 psi                       |
| (ASTM D-790)   |                                 |
| <b>Flexural Modulus of Elasticity</b> . . . . .          | .0.9x10 <sup>6</sup> psi        |
| (ASTM D-790)   |                                 |
| <b>Linear Coefficient of Thermal Expansion</b> . . . . . | .33x10 <sup>-6</sup> in./in. °F |
| (ASTM C-531)   |                                 |
| <b>VOC Content</b> . . . . .                             | Xpress Primer - 65 g/l          |
| (ASTM D-2369, Method E)                                  | Xpress Undercoat - 57 g/l       |
|  | Xpress Sealer - 69 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.

#### *Xpress Sealer*

(0.5) 5 gallon pail of acrylic resin

#### *Xpress Catalyst*

(0.3) 2 gallon pail of catalyst

#### *Xpress Solvent*

(0.05) 5 gallon pail of solvent

### COVERAGE

Each unit of Stontec 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 Stontec Xpress between 60 to 77°F/16 to 25°C in a dry area. Avoid excessive heat, sunlight and do not freeze.

## COLOR

Stontec Xpress is available in twelve standard colors in small (1/16 in.) or large (1/4 in.) sized flakes. Refer to the Stontec Color Sheet. Custom colors are available upon request.

**Note:** Micro (1/32 in.) flakes are available on special request.

## SUBSTRATE

Stontec 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.

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

## 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 Stontec Xpress Primer is necessary for all applications of Stontec Xpress over all substrates other than existing MMA floors. The Stontec Xpress Primer must be tack-free 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.
- See Stontec Xpress Directions for further details.

## APPLYING

- DO NOT attempt to install material if the temperatures of the Stontec Xpress components are not within 60 to 77°F/16 to 25°C.
- The primer is mixed, applied to the floor and sparsely broadcasted with Stonshield aggregate. The primer is allowed to cure and excess aggregate is removed.

- The undercoat is mixed, applied to the floor and broadcasted to refusal with Stontec Flakes. The undercoat is allowed to cure and excess flake is removed.
- Xpress sealer is mixed, applied to the floor and allowed to cure. The floor is lightly sanded and vacuumed.
- A second Xpress sealer is applied to the floor and allowed to cure.

Refer to the Stontec Xpress Directions for further detail.

## NOTES

- Procedures for cleaning of the flooring system during operations can be found in the Stonhard Floor Maintenance Guide.
- Specific information regarding chemical resistance is available in the Stontec Chemical Resistance Guide.
- Material Safety Data Sheets for Stontec Xpress are available on line at [www.stonhard.com](http://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.

### 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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### Worldwide Offices:

|        |              |               |                  |             |                |        |                  |
|--------|--------------|---------------|------------------|-------------|----------------|--------|------------------|
| USA    | 800.257.7953 | Mexico        | (52)55.9140.4500 | Europe      | (32)2.720.8982 | Africa | (27)11.254.5500  |
| Canada | 800.263.3112 | South America | (54-3327)44.2222 | Middle East | (971)4.3470460 | Asia   | (86)21.5466.5118 |



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[www.stonhard.com](http://www.stonhard.com)

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