

### PRODUCT DESCRIPTION

Stonclad Xpress is a three-component, troweled, methylmethacrylate mortar system. The system consists of a resin, catalyst and color quartz silica aggregate. Stonclad Xpress can be applied at thickness ranging from 3 mm to 6 mm depending on the application requirements. Stonclad Xpress cures to an extremely hard, impact resistant mortar which exhibits excellent abrasion, wear and chemical resistance.

### SYSTEM OPTIONS

#### Waterproofing

Where the total system must be waterproof, use of Stonhard's Stonproof ME7 membrane system 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 5 to 15 cm may be specified.

#### Packaging

Stonclad Xpress is packaged in units for easy handling. each unit consists of:

#### Xpress Primer

(0.5) 5 gallon pail of Xpress Primer

#### Xpress Undercoat

(3.33) 5 gallon pails of Xpress undercoat

#### Stonblend Aggregate

16.67 bags of Stonblend aggregate

#### Xpress Sealer

(0.5) 5 gallon pail of Xpress Sealer

#### Xpress Catalyst

(0.4) 2 gallon pail of Xpress Catalyst

#### Xpress Solvent

(0.05) 5 gallon pail of Xpress Solvent

#### Texture 3 Aggregate

1 bag of Texture 3 aggregate

### COVERAGE

each unit of Stonclad Xpress will cover approximately 18.58 m<sup>2</sup> of surface at a nominal 6 mm thickness.

### STORAGE CONDITIONS

Store all components of Stonclad Xpress between 16 to 25°C in a dry areas. avoid excessive heat, sunlight and do not freeze.

### PHYSICAL CHARACTERISTICS

Compressive Strength (ASTM C-579)	35 N/mm <sup>2</sup> after 7 days
Tensile Strength (ASTM C-307)	9 N/mm <sup>2</sup>
Hardness (ASTM D-2240, Shore D)	80
Impact resistance (ASTM D-2794)	18 Nm.
Abrasion resistance (ASTM D-4060, CS-17)	0.06 gm max. weight loss*
Installation Temperature range (lower install temperatures can be achieved using Xpress accelerator)	-6°C to 35°C
VOC Content (ASTM D-2369, method e)	Xpress Primer - 65 g/l Xpress mortar - 57 g/l Xpress Sealer - 69 g/l
Cure rate (at 25°C)	1 hours for normal operations

\*Test samples finished with one coat of Xpress Sealer

**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

Stonclad Xpress is available in a variety of standard colors. Contact Stonhard's Technical Service Department for more information.

### SUBSTRATE

Stonclad 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 Stonclad Xpress over all substrates other than existing mma. aggregate must be seeded into the wet primer to provide traction for following steps. The Xpress Primer must be fully cured and concrete must be completely sealed off prior to the application of the mortar.

## 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 Stonclad Xpress Directions for further details.

## APPLYING

- Do not attempt to install material if the temperature of the Stonclad Xpress components are not within 16 to 25°C.
- Xpress primer is mixed, applied to the floor and sparsely broadcasted with Texture 3 aggregate. The primer is allowed to cure.
- Stonclad Xpress is mixed, screeded on the floor and compacted and smoothed with steel finishing trowels. The mortar is allowed to cure.
- Xpress sealer is mixed, applied to the floor and allowed to cure.
- An optional second coat of sealer can be applied depending on required finish.

Refer to the Stonclad Xpress 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 Stonclad Chemical resistance guide.
- Safety Data Sheets for Stonshield Xpress are available on line at [www.stonhard-europe.com](http://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 build up 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