STONHARD

STONTEC®XPRESS

PRODUCT DATA

PRODUCT DESCRIPTION

Stontec Xpress is a nominal 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 5 to 15 cm are available.

Thickness

For areas requiring increased thickness, a 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

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

PHYSICAL CHARACTERISTICS

Tensile Strength (ASTM D-638)	41 N/mm^2
Hardness (ASTM D-2240, Shore D)	80
Impact Resistance (ASTM D-4226)	>18 N/m
Abrasion Resistance (ASTM D-4060, CS-17) (sealed)	0.03 gm max. weight loss
Cure Rate (@25˚C) for normal operations	One hour
Flexural Strength (ASTM D-790)	14 N/mm^2
Flexural Modulus of Elasticity (ASTM D-790)	6.2 $x10^3$ N/mm^2
Linear Coefficient of Thermal Expansion (ASTM C-531)	5.9 $x10^{-7}$ mm/m˚C
VOC Content (ASTM D-2369, Method E)	Xpress Primer - 65 g/l 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.

COVERAGE

Each unit of Stontec Xpress will cover approximately 23.2 m^2 of surface at 2 mm or 3 mm nominal thickness.

STORAGE CONDITIONS

Store all components of Stontec Xpress between 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 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 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 Xpress 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.

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