

## STONGARD®MX

### PRODUCT DESCRIPTION

Stongard MX is a nominal 4 mm thick, reinforced, textured flooring system created for positive side waterproofing applications.

### SUGGESTED APPLICATIONS

It is ideally designed for mechanical rooms and mezzanine floors. It is comprised of:

#### **Stonproof ME7**

A two-component, free-flowing, solvent-free urethane, elastomeric waterproof membrane.

#### **Engineering Fabric**

A 10 oz. woven engineering fabric providing extra protection against dynamic stresses.

#### **Stonkote GS4**

A two-component, solvent free, general purpose, epoxy coating.

### OPTIONS

#### **Cove Base**

Provides an integral seal at the joint between the floor and the wall. Cove bases in heights from 5 to 15 cm are available.

### PACKAGING

Stongard MX is packaged in units for easy handling. Each unit consists of:

#### **Stonproof ME7**

- 2.5 cartons containing:
  - 6 foil bags of Isocyanate
- 2.5 cartons containing:
  - 6 poly bags of Polyol

#### **Engineering Fabric**

1.5 roll 10 oz. woven engineering fabric

#### **Texture Aggregate**

2 bags of Texture#3 silica aggregate

#### **Stonkote GS4**

- 1 carton containing:
  - 4 foil bags of Amine
  - 4 poly bags of Resin

### COVERAGE

Each unit of Stongard MX will cover approximately 27.9 m<sup>2</sup> of surface at a nominal 4 mm.

### STORAGE CONDITIONS

Store all components of Stongard MX between 16 to 30°C in a dry area. Avoid excessive heat and do not freeze. The shelf life for epoxy primers/coatings is 3 years; the shelf life for Stonproof ME7 is 2 years in the original, unopened container.

### PHYSICAL CHARACTERISTICS

Tensile Strength (ASTM D-638)	16 N/mm <sup>2</sup>
Hardness (ASTM D-2240, Shore D)	85
Theoretical Coverage	27.87 m <sup>2</sup>
Abrasion Resistance (ASTM D-4060, CS-17)	0.06 gm
VOC Content (ASTM D-2369)	Stonproof ME7 – 8 g/l Stonkote GS4 – 30 g/l
Cure Rate (@25°C)	8 to 10 hours for tack free surface 24 hours for normal operations

**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.

### COLOUR

Stongard MX is available in 12 standard colours. Custom colours are available upon request.

### SUBSTRATE

Stongard MX, in conjunction with the proper primers, is suitable for application over properly prepared concrete, metal or wood. 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.

### PRIMING

Primers are optional over concrete and Stonclad. If employing primers, apply Standard and SL Primer in a wet-on-wet application and leave to cure to a tack-free state before application of the Stonproof ME7 begins. Use of a primer seals the substrate. The primer should be applied using a rubber squeegee. If pinholes persist, additional coats of SL Primer should be applied. The wet-on-wet method works best. (See SL Primer Directions for details.)

## MIXING

- Proper mixing is critical for the product to exhibit the proper application properties, cure properties and ultimate physical properties.
- Mechanical mixing using a slow-speed drill and mixing blade.
- See Stongard MX Directions for further details.

## APPLYING

- DO NOT attempt to install material if the temperature of Stongard MX components and substrate are not within 16 to 30°C. The cure time and application properties of the material are severely affected at temperatures outside of this range.
- Material must be applied immediately after mixing.
- See Stongard MX Directions for further details.

## 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 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.

## NOTES

- Procedures for maintenance of the flooring system during operations are described in the Stonklean Floor Cleaning Procedures Brochure.
- Specific information regarding chemical resistance is available in the Stonkote GS4 Product Data sheet.
- Safety Data Sheets for Stongard MX are available online at [www.stoncor-europe.com](http://www.stoncor-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-2013.08.003	
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:	> 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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