

## PRODUCT DESCRIPTION

Stonproof ME7 is a two-component, liquid applied, urethane membrane for use on horizontal applications as a positive moisture barrier. It can also be used as a crack bridging isolation layer. It is 100% solids, making it ideal for use in confined areas. Stonproof ME7 can be used as a light traffic bearing membrane and as a membrane under most Stonhard's flooring systems. Both applications provide a positiveside barrier for prevention of fluid penetration to areas below the system.

## PRODUCT ADVANTAGES

- 100% solids
- Excellent bond strength ensures superior adhesion
- Excellent low temperature property retention
- Seamless and monolithic
- Permanently elastic
- Non-deteriorating
- Easily applied to horizontal surfaces
- Factory proportioned packaging ensures consistent, high quality, and simplified mixing

## PACKAGING

Stonproof ME7 is packaged in units for easy handling. Each unit consists of:

- I carton containing:
  - 6 foil bags of Isocyanate
- I carton containing:
  - 6 poly bags of Polyol

## COVERAGE

Approximately 27.87 m<sup>2</sup> per unit at an application thickness of 635.4 µm

## STORAGE CONDITIONS

Store Stonproof ME7 at 16 to 30°C in a dry area. Avoid excessive heat and do not freeze. The shelf life is 2 years in the original, unopened container.

## SUBSTRATE

Stonproof ME7, 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.

## PATCHING

For proper membrane application, all cavities and voids in the concrete should be filled with a patching compound (Stonset PM5 is recommended) prior to priming to make the surface as smooth as possible.

## PHYSICAL CHARACTERISTICS

Water Vapor Transmission(Permeability) (ASTM E96)	<1 gram per hour per m <sup>2</sup>
Tensile Strength (ASTM D-412)	8.27 N/mm <sup>2</sup>
Elongation (ASTM D-412)	200%
Hardness (ASTM D-2240, Shore A)	70
Pot Life (@ 21 °C)	30 to 35 minutes
Cure Rate (@ 21 °C)	8 to 10 hours for tack-free surface 12 to 48 recoat window
VOC Content (ASTM D-2369, Method E)	8 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.

**Note:** I. Passes ANSI A 118.10-2008 required by the



## PRIMING

Stonhard's Standard Primer/SL Primer system must be applied to the prepared floor surface before installing Stonproof ME7 for all waterproofing applications. For applications not requiring waterproofing, Stonproof ME7 can be applied directly to the substrate with no primer.

## MIXING STONPROOF ME7

Stonproof ME7 is supplied in pre-measured quantities. Mixing must be achieved by mechanical means. Mechanical mixing should be done using a heavy-duty, slow-speed drill (400 to 600 rpm) with a mixing blade. Open the polyol and pre-mix to ensure the suspension of solids. Add the isocyanate and continue to mix for approximately 3 minutes. Avoid high-speed mixing that will entrain air into the mix. Thorough mixing of the two components is required.

## APPLYING STONPROOF ME7

Stonproof ME7 can be applied at ambient and surface temperatures of 16 to 30°C. This membrane must be applied immediately after mixing the two components. Stonproof ME7 may be applied by using a 30 mil notched squeegee. Backrolling with a spiked roller will aid in air release.

**Note:** In thermal shock areas or under a urethane mortar (UT, UR or TG6) The Stonproof ME7 should be broadcasted to refusal with Texture 3. This will ensure a mechanical bond between the Stonproof ME7 and the overlayment.

## CURING

The surface of Stonproof ME7 will be tack-free in 8 to 10 hours at 25°C. Ultimate physical characteristics will be achieved in 7 days.

## RECOMMENDATIONS

- Apply only on a clean, sound and properly prepared substrate.
- Minimum ambient and surface temperatures are 16°C at the time of application.
- Do not use water or steam in the vicinity of the application.  
**Moisture can seriously affect the working time and proper ties of the material.**
- Application and curing times are dependent upon ambient and surface conditions.

## PRECAUTIONS

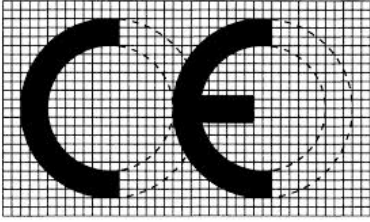
- Solvents are recommended for clean-up of unreacted material. The reacted materials must be removed by mechanical means. Use these materials only in strict accordance with the manufacturer's recommended safety procedures.
- Dispose of waste materials in accordance with federal, state and local regulations.
- The use of NIOSH/MSHA approved respirators are required.
- 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 the area with copious amounts of water for 15 minutes and seek medical attention. Wash skin with soap and cold water.
- Use only with adequate ventilation.

## NOTES

- Material Safety Data Sheets for Stonproof ME7 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 application or to answer questions related to Stonhard products.
- Requests for technical literature or service can be madethrough local sales representatives and offices, or corporate offices located worldwide.

## 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 3.2** and fulfill the requirements of the given mandate of the Construction Products Regulation no. 305/2011


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EC-DOP-2013.14.003
EN 13813 SR-B2.0
Synthetic resin flooring system for use internally in buildings (system as per Product Data Sheet)
Reaction to fire: B <sub>fl</sub> -S <sup>1</sup>
Release of corrosive substances: SR
Water permeability: NPD
Wear resistance: NPD
Adhesion strength by pull-off test: > B2.0 N/mm <sup>2</sup>
Chemical resistance: CRG
(1) NPD: No Performance Determined (2) 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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