

PRODUCT DESCRIPTION

Stonproof RH7 is designed for use on horizontal areas where waterproofing and crack bridging are required. The system consists of Stonproof ME7 urethane membrane and a fiberglass engineering fabric. Stonproof RH7 is flexible, yet reinforced to handle substrate movement that would normally cause overlayment failure.

PRODUCT ADVANTAGES

- 100% solids
- Excellent bond strength assures superior adhesion
- Cures at ambient temperatures
- Seamless and monolithic
- Permanently elastic
- Non-deteriorating
- Easily applied to horizontal surfaces
- Fiberglass reinforcing adds strength and durability

PACKAGING

Stonproof RH7 is packaged in units for easy handling. Each unit consists of:

Stonproof ME7

- 1 carton containing:
6 foil bags of Isocyanate

- 1 carton containing:
6 poly bags of Polyol

Engineering Fabric

- 1 roll of 10 oz. Engineering Fabric

COVERAGE

Approximately 200 sq. ft./18.6 sq. m per unit at an application thickness of 30 mil.

STORAGE CONDITIONS

Store all components of Stonproof RH7 at 60 to 85°F/18 to 29°C in a dry area. Avoid excessive heat and do not freeze. The shelf life is 2 years in the original, unopened container.

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.

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.

PRIMING

Stonhard's Standard Primer/SL Primer system must be applied to the prepared floor surface before installing Stonproof RH7 for all waterproofing applications. Apply Stonproof RH7 as soon as possible after primer is cured. For all other applications, apply HT Primer only. Allow the primer to cure before applying Stonproof RH7.

MIXING

Stonproof RH7 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 assure proper suspension of solids. Add isocyanate and continue to mix to a uniform consistency for approximately 3 minutes. Avoid high-speed mixing that will entrain air into the material. Thorough mixing of the two components is required.

APPLYING

Stonproof RH7 can be applied at ambient and surface temperatures of 60 to 85°F/16 to 29°C. The membrane, Stonproof ME7, must be applied immediately after mixing the two components. The membrane is applied using a 30-mil notched squeegee. The engineering fabric is placed in the surface of the membrane. A saturated nap roller is used to saturate the surface of the engineering fabric.

Note: In thermal shock areas or under a urethane mortar (UT, UR or TG6), the Stonproof RH7 should be broadcasted to refusal with Texture 3. This will ensure a mechanical bond between the Stonproof RH7 and the overlayment.

PHYSICAL CHARACTERISTICS

| | |
|-------------------------|------------------------|
| Hardness..... | 70 |
| (ASTM D-2240, Shore A) | |
| Pot Life..... | 30 to 35 minutes |
| (@ 70°F/21°C) | |
| Cure Rate..... | 8 to 10 hours |
| (@ 70°F/21°C)..... | for tack-free surface |
| | 12 to 48 recoat window |
| VOC Content..... | 8 g/l |
| (ASTM D-2369, Method E) | |

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: Care must be taken not to push the engineering fabric into the ME7; it is designed to be on the surface of the membrane. Any questions regarding the application of Stonproof RH7 should be directed to Stonhard's Technical Service Department.

CURING

The surface of Stonproof RH7 will be tack-free in 8 to 10 hours at 77°F/25°C. Ultimate physical characteristics will be achieved in 7 days. Stonproof RH7 has a recoat window of 12 to 48 hours.

RECOMMENDATIONS

- Apply only on a clean, sound and properly prepared substrate.
- Minimum ambient and surface temperature is 60°F/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 properties of the material.
- Application and curing times are dependent upon ambient and surface conditions.

PRECAUTIONS

- DO NOT USE Stonproof RH7 when installing Coatings-only projects or liquid-rich systems. In certain cases, the use of RH7 can result in the formation of bubbles and/or pinholes that will be difficult to identify and remediate and therefore may translate through to the finished system. RH7 is suitable for use under all broadcast and mortar systems. If you are installing a coatings-only or liquid-rich system and believe a reinforced membrane is required, please contact a member of the Technical Service Department for assistance.
- 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 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 for 15 minutes with copious amounts of water and seek medical attention. Wash skin with soap and water.
- Use only with adequate ventilation.

NOTES

- Safety Data Sheets for Stonproof RH7 are available online at 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 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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