

## PRODUCT DESCRIPTION

Stonproof RV7 is designed for use on vertical areas where positive side waterproofing and crack bridging is required. The system consists of Stonproof VM7 urethane membrane and a fiberglass engineering fabric. Stonproof RV7 is flexible, yet reinforced to handle substrate movement that would normally cause overlayment failure.

## USES, APPLICATIONS

- Thermal cycling situations
- Slab isolation
- Crack isolation
- Provide a positive barrier against water transmission

## PRODUCT ADVANTAGES

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

## PACKAGING

Stonproof RV7 is packaged in units for easy handling. Each unit consists of:

### Stonproof ME7

1 carton containing:

- 6 foil bags of isocyanate (curing agent)

1 carton containing:

- 6 poly bags of polyol (resin)
- 2 gallon pail of VM7 Part C (thixotrope)

### Mat Reinforcement

- One roll of 10 oz. Engineering Fabric

## COVERAGE

Approximately 18.6 m<sup>3</sup> per unit at an application thickness of 762 µm.

## STORAGE CONDITIONS

Store all components of Stonproof RV7 between 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.

## PHYSICAL CHARACTERISTICS

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)	0.05 lb/gal (6 g/l)

### Note:

1. Passes ANSI A 118.10-1999 required by the ®



## SUBSTRATE PREPARATION

Proper preparation is critical to ensure an adequate bond. The substrate must be dry and free of all wax, grease, oils, fats, soil, loose or foreign materials, and laitance. Laitance and unbonded cement particles must be removed by mechanical methods, i.e., abrasive blasting or scarifying. Other contaminants may be removed by scrubbing with a heavy-duty industrial detergent (Stonkleen DG9) and rinsing with clean water. The surface must show open pores throughout and have a sandpaper texture. For recommendations or additional information regarding substrate preparation, contact Stonhard's Technical Service Department.

## 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 RV7 for all waterproofing applications. For all other applications, apply HT Primer only. Allow the primer to cure before applying Stonproof RV7.

## MIXING STONPROOF RV7

Stonproof RV7 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 Jiffy Mixer. Empty all four bags into a clean mixing pail. Mix for approximately 2 minutes until a uniform consistency is achieved.

Slowly add Part C while continuing to mix at slow speed. Once Part C is completely added, mix the material for an additional 2 minutes. Avoid high-speed mixing that will entrain air into the material. Thorough mixing of the three components is required.

**Note:** Part C is a respiratory irritant and caution should be taken when mixing.

## POT LIFE

Stonproof RV7 has a working time of approximately 30 to 35 minutes at 25°C. The working time may vary depending on ambient conditions.

## APPLYING STONPROOF RV7

Stonproof RV7 can be applied at ambient temperatures of 16 to 30°C. The Stonproof RV7 must be applied immediately after mixing the three components. The Stonproof RV7 may be applied using a 3.1 mm x 3.1 mm V-notched trowel at a thickness of 30 mils and then finished using a flat, rubber squeegee. The engineering fabric is placed in the surface of the membrane. Use a wet nap roller to saturate the surface of the engineering fabric.

**Note:** Care must be taken not to push the engineering fabric into the VM7; it is designed to be on the surface of the membrane. Any questions regarding the application of Stonproof RV7 should be directed to Stonhard's Technical Service Department.

## CURING

The surface of Stonproof RV7 will be tack-free in 8 to 10 hours at 25°C. Ultimate physical characteristics will be achieved in 7 days. Stonproof RV7 has a recoat window of 12 to 48 hours.

## 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.

## RECOMMENDATIONS

- Apply only on a clean, sound and properly prepared substrate.
- Minimum ambient and surface temperatures is 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 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 respirator, safety goggles and impervious gloves is recommended.
- In case of contact, flush area with copious amounts of water for 15 minutes and seek medical attention. Wash skin with soap and water.
- Use only with adequate ventilation.

## NOTES

- Material Safety Data Sheets for Stonproof RV7 are available on line at [www.stonhard.com](http://www.stonhard.com) under Tech Info or upon request.
- A staff of technical service engineers is available to assist in application or 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.

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