

PRODUCT DESCRIPTION

Stonset PM5 is a two-component, 1:1 ratio by volume, 100% solids epoxy patching mortar. Stonset PM5 exhibits excellent bond strength and chemical resistance to most acids, alkalis, salt solutions and oils. Due to its non-sag, lightweight consistency it is used to permanently patch and repair horizontal, vertical, and overhead voids.

USES, APPLICATIONS

Stonset PM5 is an epoxy patching mortar. It may be used in a variety of applications, such as:

- Filling voids and bugholes in precast concrete and other masonry surfaces.
- Repairing damaged concrete and filling narrow cracks in concrete.
- Filling masonry lines in block walls.

PRODUCT ADVANTAGES

- 100% solids
- Excellent mechanical strengths
- Rapid hardening
- Excellent bond strength assures superior adhesion
- Easily installed to clean, sound substrate
- Easy to use, fast-setting, labour saving system
- 1:1 ratio by volume allows you to mix only the material amount needed

PACKAGING

Stonset PM5 is packaged in units for easy handling. Each unit consists of:

- (1) 2.5 gallon pail of Amine
- (1) 2.5 gallon pail of Resin

COVERAGE

Each unit will yield approximately 16,800 cm³.

STORAGE CONDITIONS

Store both components of Stonset PM5 between 16 to 30°C in a dry area. Avoid excessive heat. Do not freeze.

The shelf life is 3 years in the original, unopened container.

COLOUR

Light grey in colour when mixed.

PHYSICAL CHARACTERISTICS

Compressive Strength (ASTM C-579)	34 N/mm ²
Tensile Strength (ASTM C-307)	9 N/mm ²
Flexural Strength (ASTM C-580)	15 N/mm ²
Hardness (ASTM D-2240, Shore D)	>60
Pot Life (@ 75°F/24°C)	30 minutes
Dry to Recoat Time (ASTM D-1640)	6 to 8 hours @75°F/24°C

Note: The above physical properties were measured in accordance with the referenced standards. Samples of the actual patching mortar were used as test specimens.

SUBSTRATE PREPERATION

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.

MIXING

Stonset PM5 is supplied in factory proportioned quantities. Stonset PM5 should be mixed in small amounts at a 1:1 ratio by volume. If large amounts are mixed, the material will become difficult to work with before it can all be used. It is essential to use equal amounts of Part A and Part B to ensure proper curing. Mixing is complete when the material is a uniform grey colour with no white or grey streaks. Thorough mixing of the two components is mandatory. Any unused material must be immediately resealed.

APPLYING

When filling holes and voids, apply Stonset PM5 with a steel finishing trowel, taping knife, or metal squeegee. Use the surrounding level as a guide for the trowel. Material may be finished with a soft rubber squeegee. Stonset PM5 may be sanded 8 to 16 hours after application, depending upon ambient and surface conditions.

CURING

The initial set time for Stonset PM5 is 6 to 8 hours. Coating may begin at this time. Ultimate physical characteristics are achieved in 7 days. The curing time may vary depending upon ambient and surface conditions.

RECOMMENDATIONS

- Apply only on a clean, sound and properly prepared substrate.
- Surface temperatures should be between 16 to 30°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 Stonset PM5 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 safety glasses and impervious gloves is required during application.
- In case of contact, immediately flush the area with copious amounts of clean water for at least 15 minutes and seek medical attention. Wash skin with soap and water.
- Use only with adequate ventilation.

NOTES

- Material Safety Data Sheets for Stonset PM5 are available on line at www.stonhard.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 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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