

PRODUCT DESCRIPTION

Stonset PM8 is a three-component, vinyl ester patching mortar. Stonset PM8 exhibits excellent bond strength and chemical resistance to most acids, alkalis, salt solutions and oils. Due to its non-sag, light-weight consistency, it is used to permanently patch and repair vertical and overhead voids.

USES, APPLICATIONS

Stonset PM8 is a vinyl ester patching mortar. It may be used in a variety of applications, such as:

- Filling voids and bugholes in precast concrete and other masonry surfaces.
- Bonding mortar on stone, concrete and plaster.
- Repairing damaged concrete and filling narrow cracks in concrete.
- Used in conjunction with 700 and 800 Series linings applications.

PRODUCT ADVANTAGES

- Excellent mechanical strengths
- Rapid hardening
- Excellent bond strength assures superior adhesion
- Excellent chemical resistance
- Easily installed to clean, sound substrate
- Factory proportioned packaging ensures consistent, high quality and simplified mixing
- Easy to use, fast-setting, labour saving system

PACKAGING

Stonset PM8 is packaged in units for easy handling. Each unit consists of:

- 1 carton containing:
 - 2 jars of peroxide
 - 2 cans of resin
- 1 carton containing:
 - (2) 2 gallon pails of aggregate

COVERAGE

One unit of Stonset PM8 will cover approximately 13,604 cm³.

STORAGE CONDITIONS

Store both components of Stonset PM8 between 16 to 30°C in a dry area. Avoid excessive heat. Do not freeze. The shelf life is 6 months in the original, unopened container.

COLOUR

Light grey in colour when mixed.

PHYSICAL CHARACTERISTICS

Compressive Strength (ASTM C-579)	34 N/mm ² after 7 days
Tensile Strength (ASTM C-307)	9 N/mm ² after 7 days
Flexural Strength (ASTM C-580)	15 N/mm ²
Hardness (ASTM D-2240, Shore D)	60 ShD
Pot Life	20 minutes (@ 75°F/24°C)
Dry to Recoat Time (ASTM D-1640)	4 to 6 hours (@75°F/24°C)

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.

SUBSTRATE PREPERATION

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.

MIXING

Pre-mix peroxide and resin in a 5 gallon mixing bucket, using a heavy-duty, slow-speed drill (400 to 600 rpm) and a Jiffy Mixer for 2 minutes. Gradually add the aggregate and mix for an additional 90 seconds. Mixing is complete when no clumps of dry material exist and the material has a light, fluffy consistency.

APPLICATION

When filling holes and voids, apply the PM8 with a steel finishing trowel, taping knife, or metal squeegee. Use the surrounding level as a guide for the trowel. Stonset PM8 may be sanded 8 to 16 hours after application.

CURING

The initial set time for Stonset PM8 is 4 to 6 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

- Stonkleen DG9 is recommended as an industrial detergent for removal of most contaminants.
- Apply only on a clean, sound, properly prepared substrate.
- Minimum ambient and surface temperature is 13°C at the time of application.
- Maximum surface temperatures should not exceed 32°C during application.
- Application and curing times are dependent upon ambient and surface conditions. Consult Stonhard's Technical Service Department if conditions are not within recommended guidelines.

PRECAUTIONS

- Toluene or Xylene solvents are recommended for clean up of Stonset PM8 peroxide (catalyst/organic peroxide) or resin (polyester resin) material spills. Use these materials only in strict accordance with the manufacturer's recommended safety procedures. Dispose of waste materials in accordance with government regulations.
- Avoid contact with Stonset PM8 peroxide (catalyst/organic peroxide) and resin (vinyl ester resin and styrene monomer), as they may cause skin, respiratory and eye irritation.
- The use of NIOSH/MSHA approved respirators using an organic vapour/acid gas cartridge is mandatory.
- The selection of proper protective clothing and equipment will significantly reduce the risk of injury. Body covering apparel, safety goggles and impermeable gloves are highly recommended.
- In case of contact, flush the area with copious amounts of water for 15 minutes and seek medical attention. Wash skin with soap and water.
- In the event of accidental eye contact, rinse eyes immediately with water and seek medical attention.
- If material is ingested, immediately contact a physician. **DO NOT INDUCE VOMITING.**
- Use only with adequate ventilation. Inhalation of vapours may cause severe headaches, nausea and possibly unconsciousness.

NOTES

- Material Safety Data Sheets on Stonset PM8 are available upon request.
- A staff of technical service engineers is available to assist with product 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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