

# MAPEPROOF® SEALANT

## DETAILING SEALANT FOR MAPEPROOF HW/SW

### PRODUCT DESCRIPTION

Mapeproof Sealant is a trowel-grade sealant, composed of sodium bentonite clay and specially designed polymers, that is used as a detailing accessory in conjunction with Mapeproof HW and Mapeproof SW waterproofing membranes.

Mapeproof Sealant is comprised of a sodium bentonite based technology which swells when it encounters water, sealing against water intrusion. Mapeproof Sealant is easily applied and bonds to a wide variety of substrates. Ideal for use in a wide array of detailing applications to form a seamless waterproofing system when used with Mapeproof HW or Mapeproof SW.

### FEATURES AND BENEFITS

- Swells in the presence of water helping to prevent water intrusion
- Can be installed over damp or green concrete
- Not affected by rises and falls in the water table
- Can be installed at the laps in wall applications for added protection against hydrostatic conditions
- No VOCs

### COVERAGE

Thickness	Coverage
As a ¾" (19 mm) inside corner fillet	27 lin. ft. per U.S. gal. (2.1 m per L)
As a ¾" (19 mm) inside corner fillet with extensions measuring 6" (15 cm) long and 90 mils thick	9.5 lin. ft. per U.S. gal. (0.76 m per L)
As a 1 ½" (3.8 cm) inside corner fillet	13 lin. ft. per U.S. gal. (1.05 m per L)
As a flashing material 90 mils thick	15 sq. ft. per U.S. gal. (0.37 m² per L)

Coverage rates are theoretical and can vary significantly based on substrate profile and detailing requirements.

### STORAGE AND SHELF LIFE

12 month shelf-life if stored in its original packaging in a dry environment at a temperature between 40°F and 90°F (4°C and 32°C).

### LIMITATIONS

- Not to be installed over ponding or standing water, snow or ice
- Do not use in temperatures below 40°F (4°C)
- Not for use as standalone waterproofing product
- Do not use as an expansion joint sealant
- Backfill must be compacted to a minimum 85% density per the Modified Proctor Test

### SUITABLE SUBSTRATES AND SURFACE PREPARATION

- Mapeproof Sealant can be used on structural concrete, masonry, wood and most metal surfaces.
- All surfaces to receive Mapeproof Sealant should be dry and free of dirt, dust, grease, rust, oil, curing agents and other contaminants.
- Mapeproof Sealant can be applied to structural concrete surfaces as soon as the forms are removed. Concrete should have a fine-hair broom finish for proper adhesion.



### PRODUCT DATA

Pails.....	4.6 U.S. gals (17.4 L)
Gross Weight.....	55.1 lbs
Net Weight.....	52.1 lbs
Pails/Pallet.....	24

### WHERE TO USE

- As a fillet at the footing/wall junction
- As a detailing sealant at terminations
- As a fillet at vertical inside corners
- For added protection at laps in vertical applications
- As a flashing material for penetrations, pipes and concrete piles
- As a substrate preparation material for minor concrete substrate defects before installation of a waterproofing membrane
- On structural concrete, masonry, wood and most metal surfaces

### PRODUCT CODES

- MPL5G



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### PRODUCT INSTALLATION

Apply just before installation of Mapeproof HW or Mapeproof SW waterproofing membrane. Mapeproof Sealant should not be left exposed for a prolonged period before concrete or backfill placement. If Mapeproof Sealant is exposed to heavy or prolonged rain, re-application may be required. Use a mason's or margin trowel with rounded corners to apply Mapeproof Sealant.

### PENETRATIONS

- Before installing Mapeproof HW or Mapeproof SW, trowel a Mapeproof Sealant fillet at least  $\frac{3}{4}$ " (19 mm) thick around the penetrations, extending Mapeproof Sealant onto penetrations and onto concrete walls by  $1\frac{1}{2}$ " (3.8 cm).
- Cut Mapeproof HW or Mapeproof SW to closely fit around penetrations and install over penetrations.
- Detail all Mapeproof HW or Mapeproof SW cut edges with Mapeproof Sealant.
- Depending on the type and position of the penetration, it may be necessary to also use Mapestrip™ 25 or 25B hydrophilic waterstop.

### MULTIPLE PENETRATIONS

- In areas where multiple penetrations are close together, it may be impractical to cut Mapeproof HW or Mapeproof SW to fit around each penetration. Note that penetrations should have a minimum space of 6" (15 cm) between each penetration.
- Apply a Mapeproof Sealant fillet at least  $\frac{3}{4}$ " (19 mm) thick around penetrations, extending onto penetrations by  $1\frac{1}{2}$ " (3.8 cm).
- Apply Mapeproof Sealant  $\frac{1}{4}$ " (6 mm) thick onto the substrate between penetrations and extending out away from penetrations by 3" (7.5 cm).
- Depending on the type and position of the penetration, it may be necessary to also use Mapestrip 25 or 25B hydrophilic waterstop.

### FOUNDATION WALL/FOOTING

- Create a cant at all vertical-to-horizontal transitions by applying a Mapeproof Sealant cant measuring  $1\frac{1}{2}$ " to 2" (3.8 to 5 cm) along that junction.
- Before installing Mapeproof SW or Mapeproof HW at inside wall corners, apply a continuous Mapeproof Sealant fillet measuring  $\frac{3}{4}$ " (19 mm) thick directly in the corner.

### MEMBRANE LAPS

- Mapeproof Sealant can also be used to detail the inside of laps of Mapeproof HW or Mapeproof SW in vertical applications.
- Apply Mapeproof Sealant to the inside of laps about  $\frac{1}{8}$ " (3 mm) thick and about 4" (10 cm) wide.

### CORPORATE HEADQUARTERS

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### Product Disclaimer:

For professional use only.

Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 1 year. Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances. Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control. For most current product data, detail drawings and warranty information, visit [www.polyglass.us](http://www.polyglass.us)



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