

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 m ² 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.

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