



## Using ENESEAL® MP

**PLEASE READ THESE INSTRUCTIONS AND MATERIAL SAFETY DATA SHEET (MSDS) CAREFULLY PRIOR TO USE**

ENESEAL® MP is a single component, water-based, ultra-low viscosity weather barrier which dries to a completely invisible, water repellent masonry sealer. It provides extraordinary weather protection to virtually all types of concrete, masonry and mineral surfaces.

ENESEAL® MP forms a hydrophobic barrier inside masonry pores that repels water and water-borne salts. This significantly reduces the damaging effects of moisture penetration into concrete and masonry, such as surface scaling, freeze-thaw cracking and corrosion of reinforcing steel.

The invisible barrier forms below masonry surfaces to depths of up to 3/4 inch and, therefore, will not wear away as a result of surface traffic and/or harsh weather conditions. This barrier is also breathable – allowing water vapor to escape from inside the concrete or masonry while dramatically reducing liquid water penetration into the substrate.

### SURFACE PREPARATION

The substrate should be structurally sound and free of any coatings, sealants, or surface contaminants such as dirt, grease, oil, etc. For optimum penetration, ENESEAL® MP should only be applied to dry surfaces and should never be applied where liquid water is present. All joints should be caulked and all caulking should be allowed to cure before applying ENESEAL® MP.

### MIXING AND APPLICATION

ENESEAL® MP is ready to use, as supplied; however, the material should be stirred / agitated before application. Thinning or adding any other material is neither required nor recommended.

ENESEAL® MP should be applied to vertical surfaces from the bottom up in a single flooding coat to produce a 6 inch (15 cm) rundown. On extremely porous substrates, a second coat should be applied after the initial flood coat has been allowed to penetrate for about 5 minutes.

On horizontal surfaces, ENESEAL® MP should be applied in a single saturating coat until rejection. Surface puddles should be brushed out until they completely penetrate the surface. Any ENESEAL® MP that remains on the surface for longer than 10 minutes should be re-distributed to another area.

ENESEAL® MP may not be suitable for all masonry surfaces such as gypsum, some types of natural stone and sealed or painted surfaces. In addition, some surfaces may darken slightly due to the density / porosity / texture of the substrate. In such situations, a test application should be carried out in a relatively unnoticeable area.

Do not apply ENESEAL® MP in direct sunlight when temperatures are over 90° F / 32° C. Do not apply if the temperature is below 35° F / 1° C, or if frost or ice is present. Keep overspray off surrounding surfaces and away from plants and shrubbery nearby.

### Technical Data

Unit Size	20 kg
Color	White liquid
Odor	None
Applied Appearance	Invisible
Vehicle Type	Water based siloxane / silane
Shelf Life	2 years
Coverage Rate	Approx. 30 sq. ft. (2.8 sq. m.) / kg depending on porosity, texture, etc.
Rain Resistance	4 hours minimum (77° F / 25° C @ 50% relative humidity)
Full Weather Resistance	7 days (77° F / 25° C @ 50% relative humidity)

### Physical Properties

Water Absorption (ASTM C-642)	Concrete brick - 1.6% Red clay brick - 0.3%
Depth of Penetration (OHD L-34)	Concrete brick - 1/4 inch to 1/2 inch Red clay brick - 1/3 inch to 3/4 inch
Scaling Resistance (ASTM C-672)	ENESEAL® MP coated concrete - rating "0 - no scaling" at 50 cycles Uncoated concrete - rating "5 - severe scaling" at 25 cycles
Moisture Vapor Transmission	100%
VOC (ASTM D-2369)	5 gms / ltr
Freeze Thaw Resistance of Liquid Product	50 cycles (0° F) - No effect
Surface Appearance After Application	Unchanged
UV Resistance	Excellent

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## **HEALTH & SAFETY**

Every effort is made to insure that ENECON® products are as simple and safe to use as possible. Normal industry standards and practices for housekeeping, cleanliness and personal protection should be observed. For further information and guidance, please refer to the detailed MATERIAL SAFETY DATA SHEETS (MSDS) supplied with the material and also available on request.

## **CLEANING EQUIPMENT**

Clean tools, equipment and overspray, while wet, with warm soapy water. Dried residue can be cleaned with solvents such as mineral spirits or alcohol.

## **TECHNICAL SUPPORT**

The ENECON® engineering team is always available to provide technical support and assistance. For guidance on difficult application procedures or for answers to simple questions, call your local ENECON® Fluid Flow Systems Specialist or the ENECON® Engineering Center.

All information contained herein is based on long term testing in our laboratories as well as practical field experience and is believed to be reliable and accurate. No condition or warranty is given covering the results from use of our products in any particular case, whether the purpose is disclosed or not, and we cannot accept liability if the desired results are not obtained.

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