

Revolutionary products . . .

. . . for rebuilding, resurfacing and protecting all types of fluid flow machinery, equipment and structures.

ENESEAL® HR

ENESEAL® HR

UV Resistant
Heat Refractive
Water Based
Moisture Resistant
Non Toxic
Non Flammable

The Energy Saver - and More!

Ceramic - filled, liquid membrane which dries to a durable, seamless, moisture resistant, flexible skin.

ENESEAL® HR is a single component, water based, liquid ceramic-filled membrane which dries to a durable, seamless, flexible "skin" that refracts and reflects heat while providing a moisture resistant barrier to virtually any type of surface... i.e., all types of insulation, plastics, concrete, brick, block, slate, tiles, wood, metal, etc.

ENESEAL® HR is easily applied by brush, roller or spray. Because it's water based, cleanup is quick and easy with soap and water. Completely non-toxic and non-flammable.

- **Metal decks**
- **Roofs**
- **Trailers**
- **Sheds**
- **Mobil homes**
- **Pre-fab buildings**
- **Pipes**
- **Ducts**
- **Tanks**
- **Insulation encapsulation**
- **Cooling towers**



ENESEAL® HR

**ENECON** Corporation
The Fluid Flow Systems Specialists.

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Technical Data	
Unit size	15 liters
Color	White
Finish	Eggshell (flat)
Volume Solids	56%
Vehicle Type	Water based vinyl terpolymer matrix
Shelf Life	2 years (some settling may occur - mix before use). Store between 41°F/5°C and 95°F/35°C
Drying Time	Typically 1 hour under normal ambient conditions. Allow 24 hours before placing components/equipment back in service. Full chemical cure 21 days.
Overcoating	Additional coat(s) may be applied after 2 hours under normal ambient conditions.
Coverage Rate	35 - 40 ft ² (3.3 - 3.7 m ²) per liter per coat. Coverage rates will vary depending on the type of substrate, surface porosity, texture, etc.
Application Thickness	6 mils dry film thickness (DFT) per coat... two coats recommended.
Primer	ENESEAL® CR (for unpainted ferrous metals)
Thinning	Use warm water (do not exceed 5% of total volume).
Spraying	Airless spray equipment producing at least 4 liters/minute (1gallon/minute). Abrasion resistant tips... sizes .031 in./.787 mm or 0.37 in./.94 mm.

Your Local ENECON® Fluid Flow Systems Specialist

Using ENESEAL® HR

Surface Preparation - ENESEAL® HR should only be applied to clean, dry and structurally sound surfaces. Concrete, brick, block or other masonry or cementitious surfaces must be free of efflorescence. Any contaminants, such as oil, must be removed by pressure washing, steam cleaning, solvent cleaning, etc. Any existing coatings must be sound and well bonded to the substrate. Loose or flaking coatings must be removed by rotary wire brushing, abrasive blasting, grinding or other suitable means. All rust must be removed.

Priming Unpainted Ferrous Metal Surfaces - Prior to applying ENESEAL® HR to unpainted ferrous metal surfaces, these areas should be first primed with ENESEAL® CR to prevent rust bleed through the water-based ENESEAL® HR. ENESEAL® CR should only be applied with the temperature is above 45°F (7°C) and when the relative humidity is below 85%. Surfaces being treated should be at least 5°F (3°C) above the dew point. ENESEAL® CR may be applied by brush, roller or spray. The material should be applied at a wet film thickness of approximately 12-14 mils (300-350 microns) to achieve the desired dry thickness of 7-8 mils (175-200 microns) per coat. A minimum of two coats are recommended for most applications.

Application - ENESEAL® HR is a water based system and, therefore, must not be applied when freezing conditions exist or are expected within 24 hours of the application. Do not apply ENESEAL® HR if rain or snow is expected within 24 hours of the application. Applications onto hot surfaces, i.e., steam pipes or ducts, must not exceed 140° F/60°C. Equipment should first be cooled prior to the application of the ENESEAL® HR. Once the ENESEAL® HR has cured for 24 hours it can withstand dry heat temperatures of up to 300°C/150° C. Applications to newly tarred or to petroleum based materials/substrates must not be carried out until the material has fully cured - usually 2-3 months. New concrete must be allowed to cure for at least 21 days before treating with the ENESEAL® HR system.

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 of Equipment - Wipe excess material from tools and equipment immediately. Use soap and water as needed.

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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