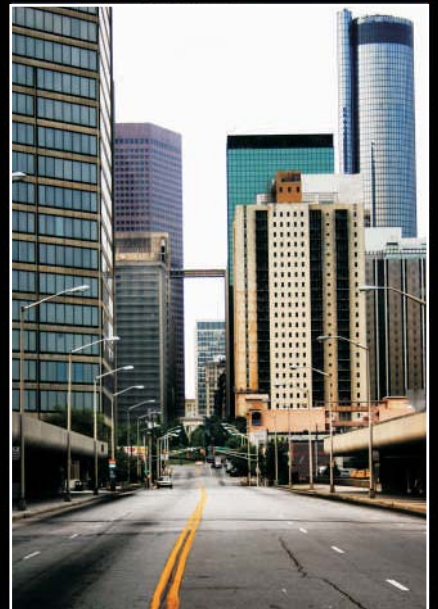
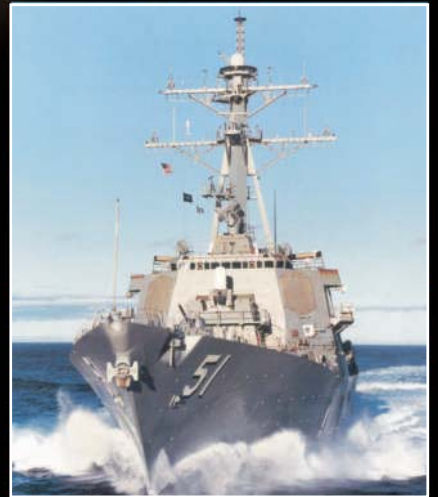


world leaders in advanced

polymer technology

# ENECON



[www.enecon.com](http://www.enecon.com)

The One Source for All of Your Fluid Flow Systems' Repair and Maintenance Needs...

## Erosion, Corrosion, Cavitation, Wear and Chemical Attack Problems on:

**pipes • pumps • impellers • valves • tanks • condensers • heat exchangers • tube sheets • water boxes • chillers • absorbers • shafts • hydraulic rams • FGD systems • scrubbers • centrifuges • cooling towers • containment dikes • troughs • spillways • propellers • kort nozzles • bow thrusters • rudders • struts • hull fairing**

A recognized world leader in developing advanced polymer technologies, **ENECON Corporation** has pioneered unique coating systems for industries including the U.S. Navy, the petrochemical industry and electrical utilities. These extraordinary polymer systems are the result of years of research and development work that began with the first epoxy non-skid deck coatings approved by the U.S. Navy and the first products approved to the Department of Defense Specification C-24176 for hull fairing / smoothing.

The senior management of **ENECON Corporation** have many years of combined practical

experience in troubleshooting industrial fluid flow problems. They have worked closely in the past with such diverse and prestigious organizations as the Panama Canal, Army Corps of Engineers, United States Navy, nuclear and fossil fuel power stations, pulp and paper mills, petrochemical plants, mining and quarrying operations, food processing facilities, etc.

**ENECON** is strategically positioned to provide industry, utilities and institutions with the finest repair and protection products and services available. **ENECON**, therefore, is the name to call when fluid flow problems are costing you time, money and aggravation.

### International Testing & Approvals \*

U.S. Military Specification DOD-C-24176/QPL-24176

Nuclear Irradiation, Decontamination & DBA Testing

Canadian Electrical Association No. 511G530 -

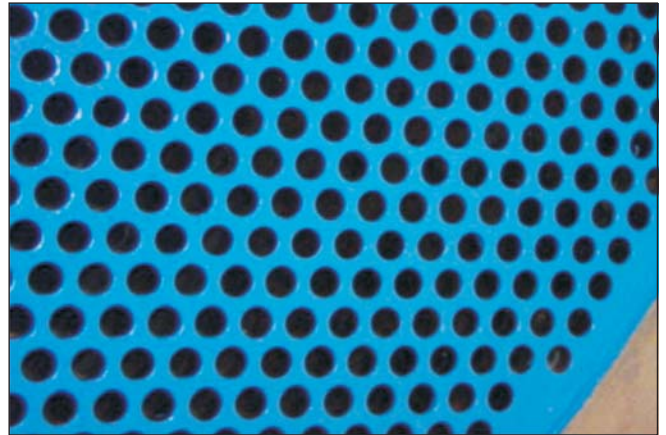
Reduction of cavitation Erosion Damage/87 - Rated "Best"

Coating Services Group (CSG) Torus Liner Performance (Nuclear) Evaluation

CeramAlloy CL+ (No. 3168) - Highest Rating

Other Tests/Approvals/Commendations: U.S. Coast Guard, U.S. Navy, ABS, U.S.D.A.

\* Specific details/product information available upon request.



# **METALCLAD...**

*the most advanced metal repair and protection systems available.*

Wherever erosion, corrosion, wear or chemical attack create problems in fluid flow systems, **METALCLAD** polymer composites provide the ultimate solution.

ENECON researchers have combined the latest and safest polymer technology with unrivaled fluid flow systems engineering knowhow to produce the most advanced polymer systems available for rebuilding, resurfacing and protecting virtually all fluid flow components.

**METALCLAD** systems exhibit outstanding compressive and flexural strengths as well as phenomenal adhesion. Their ability to cure at low temperatures, their superb chemical resistance and their non-shrink properties make them the obvious choice for the maintenance engineering professional.

**METALCLAD** repair and protection systems offer incredible savings over conventional repair or replacement procedures.



## **METALCLAD SpeedAlloy™ & SpeedAlloy QS**

**The "leak stopper!"**

Fast, easy, non-slump; can be used to repair just about any leak in minutes: pipes, tanks, sumps, casings, radiators, fuel tanks, etc. Bonds to virtually any rigid surface!



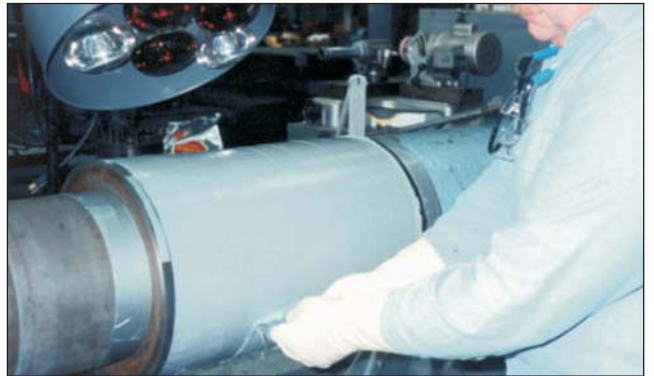
## **METALCLAD CeramAlloy™ CP+AC**

Outstanding erosion resistance. Trowelable system for repairing and rebuilding metal damaged by erosion and corrosion: pumps, valves, heat exchangers, tube sheets, water boxes, etc.



## **METALCLAD CeramAlloy™ CBX**

Repair & protect all types of equipment subject to very aggressive abrasion. Engineered to repair deeply damaged components.



## **METALCLAD DurAlloy™**

Multi-purpose; can be drilled, tapped, turned on a lathe, sanded & polished. Can be used to repair worn shafts, cracked casings & engine blocks, stripped threads, sloppy keyways, scored hydraulic rams, oversize bearing / bush housings, etc. Trowelable; requires no heat.



## **METALCLAD CeramAlloy™ CL+AC**

The ultimate resurfacing system for protecting fluid flow equipment. Brushable, self-leveling, castable,. For pumps, valves, water boxes, tube sheets, tanks, propellers, kort nozzles, bow thrusters, rudders, struts, etc.

# FLEXICLAD®..

*extraordinary, super resilient polymer systems specifically developed for cavitation problems.*

Whether it's pump impellers or ships' propellers, cavitation damage to metal is a never ending problem — and one that presented very few repair options to the maintenance engineer in the past. But now, **FLEXICLAD® DuraTough™** systems from ENECON provide exceptional protection to equipment prone to cavitation attack and subsequent damage. Super tough, super resilient and cost effective.

**FLEXICLAD®DuraTough™** systems provide the sensible alternative to some of the most severe erosion / corrosion problems in industry today.

**FLEXICLAD®DuraTough™** systems are also ideal for creating or repairing flexible seals on machinery and equipment such as on heat exchangers, pumps, valves and piping systems.



**Superior strength, durability and adhesion with flexibility, abrasion resistance and elongation.**

# CHEMCLAD®..

*the ultimate in chemical protection systems.*

Resistant to a very wide variety of organic and inorganic acids, alcohols, alkalis, esters, ethers, hydrocarbons, halogenated hydrocarbons, ketones, oils, salts, etc., **CHEMCLAD®** systems from ENECON are the finest chemical resistant claddings available.

They are revolutionary polymer composites that can be easily and safely applied by brush, roller, squeegee or airless spray - even in confined spaces.

**For Metal...**  
pipes, tanks, pumps, valves, fume hoods, drains, heat exchangers, etc.

**For Concrete...**  
containment dikes, troughs, spillways, process areas, etc.

- **ChemicalResistance**
- **Apply by Brush or Roller**
- **Unlimited Shelf Life**
- **100% Solids**
- **Simple To Use**
- **Durable**
- **Available in 'Safety Yellow'**



# ENECRETE® DuraQuartz™

the finest concrete repair  
and protection system available.

ENECRETE®DuraQuartz™ is a three component, 100% solids, concrete repair compound specifically formulated and precisely engineered to provide solutions to even the most difficult concrete repair and protection problems. ENECRETE®DuraQuartz™ is extremely versatile. It can be mixed to any consistency - from a viscous liquid to a stiff mortar. DuraQuartz™ is not only for concrete; it will bond to marble, stone, slate, terrazzo, tiles, ... even metal!

ENECRETE®DuraQuartz™ is the professional's choice for repairing critical areas subject to shock, impact, abrasion and chemical attack such as:  
**containment dikes and troughs • spillways • chemical loading, storage, and transfer areas • pump bases • anchor bolts • setting and grouting tiles • etc...**



# ENECRETE® WP & WS...

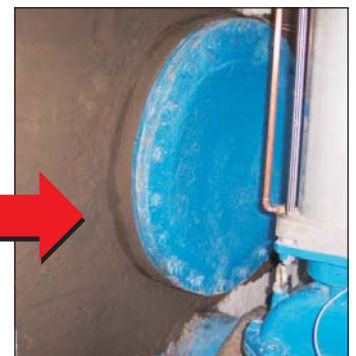
the jobsite leak plugger that stops running water in under 60 seconds,  
and leak sealer that coats, fills, seals & protects!

ENECRETE®WP is a cementitious, one component, extremely fast-setting product with the ability to stop running water through masonry structures. It is designed to be mixed with water and to **stop the leak in less than a minute.**

ENECRETE®WP's unique properties enable it to stop leaks and running water:

- Sets in one minute
- Develops strength immediately
- Chemically resistant
- Does not shrink or expand significantly
- Has excellent freeze-thaw resistance
- Exhibits thermal expansion properties similar to concrete

ENECRETE®WS is a protective and waterproofing product for masonry structures subject to hydrostatic pressure. It employs a multiple curing reaction process to obtain its exceptional properties. The reactions that occur upon mixing combine the hydration reaction of calcium / silica / aluminum cement, for strength and durability, with the film-forming reaction of a polymer liquid, for waterproofing, chemical resistance and adhesion. ENECRETE®WS is a dual-component product that is easy to prepare and apply in the field. One product that can be used to solve two common problems in industry — concrete attack and water infiltration.



# **ENESEAL® HR...**

*for weather and waterproofing  
problem areas on all types of roofs...*



**A durable, seamless, micro-porous, moisture resistant, flexible, 'skin'. Also provides a heat refractive, energy saving, 'cool roof' surface.**

*ENESEAL®HR is a single component, water based, liquid ceramic-filled membrane which cures 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, bitumen, glass, tar / asphalts, 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.*

# **ENESEAL® MP...**

*water-based penetrant / weather barrier  
for masonry, concrete, brick & stone...*

**UV resistant, breathable penetrant provides unrivaled water repellent properties to most mineral substrates. Environmentally safe. Invisible when dry.**

*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.*

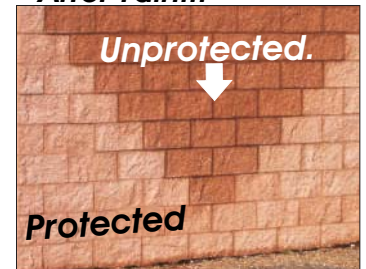
*ENESEAL®MP forms a hydrophobic barrier inside masonry pores that repels water and water-borne salts. This significantly reduces the damaging effects of moisture penetration into concrete and masonry, such as surface scaling, freeze-thaw cracking and corrosion of reinforcing steel.*

*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.*

**Before rain...**



**After rain...**



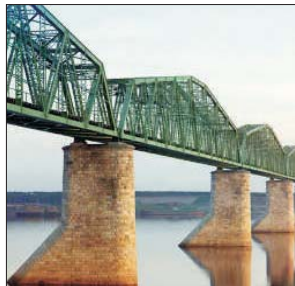
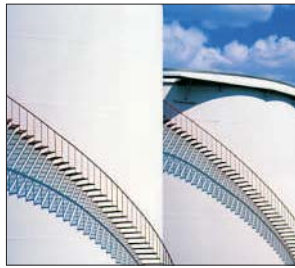
# ENESEAL® CR...

corrosion resistant, flexible coating  
uv resistant, water based, surface tolerant...

ENESEAL®CR is a single component, water based coating which dries to a highly durable, corrosion resistant, elastomeric 'skin' that provides extraordinary environmental protection to metal and concrete / masonry surfaces. It can also be applied as a top coat over most zinc primers.

ENESEAL®CR is a 'surface tolerant' coating system that does not require abrasive blasting. It exhibits excellent adhesion to all types of ferrous metal as well as galvanized surfaces. Mechanical wire brushing, grinding or high pressure water blasting is typically acceptable to achieve good adhesion.

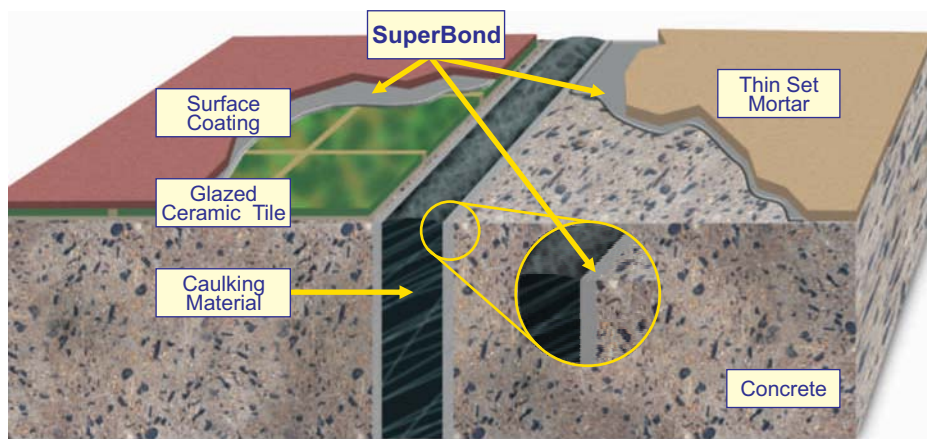
- Steelwork
- Metal roofs
- Galvanizing
- Bridges
- Tanks
- Decks
- Pipes
- Ducts
- Concrete
- Wood



ENESEAL®CR incorporates a unique blend of corrosion inhibitors, UV resistant resins and pigments, erosion resistant inorganic fillers and elastomeric acrylic polymers in order to provide outstanding performance in all types of demanding industrial and marine environments. Easily applied by brush, roller or spray, ENESEAL®CR cleans up quickly and easily with just soap and water. ENESEAL®CR is available in 'Safety Yellow'.

# ENECLAD® SuperBond...

ultra-high performance structural adhesive  
and universal surface bonding agent.



Bonds to problem materials like never before...

- Galvanized surfaces
- Glazed ceramic tile
- Glass
- Stainless and aluminum
- Many More Materials...

ENECLAD®SuperBond is a 100% solids, two-component, high performance polymer composite exhibiting **extraordinary adhesion** to concrete, tile, stone, brick, block, terrazzo, marble, metal, wood and even glass! It improves the adhesion of conventional structural caulking materials used in expansion and control joints. **It's highly resistant to corrosive and chemical conditions.** SuperBond can even be used as a bonding agent for permanent immersion applications as in swimming pools or on ships' hulls.



# ENECLAD® Floor Protection Systems...

*rugged & reliable high-performance protection —  
the ultimate floor protection system for a new era...*

## Extreme Floor Protection For Extreme Environments

ENECLAD® high performance polymer systems have been specifically formulated for new or used concrete floors. ENECLAD® produces a seamless surface that is easy to clean and easy to maintain.



Easy to apply ENECLAD® seals and strengthens concrete floors. These extraordinary high-performance polymer composites are extremely abrasion resistant, making them ideal for heavy traffic areas in warehouses, hangars, loading docks, etc. They jacket the surface in a rugged, armored coating that resists forklift traffic, oil, gasoline and most industrial chemicals.

ENECLAD® systems are solvent-free, odor-free, 100% solids, two component products

specifically developed to solve the toughest industrial floor protection problems. They are easily applied by brush, roller or squeegee to a super high-gloss finish. Naturally, non-skid aggregates can be incorporated into the ENECLAD® system to provide a highly durable, safety non-slip surface.

ENECLAD® systems can also be used to repair and level damaged concrete surfaces, making them suitable for our extended line of ENECLAD® high-gloss topcoats.

**traffic and abrasion resistance • oil resistance  
chemical resistance • detergent resistance  
easy to apply • easy to maintain**



*In new or existing installations, ENECLAD® provides unsurpassed protection and durability.*



*No matter how worn, spalled or damaged floors are, ENECLAD® can make them better than new!*



*ENECLAD® can protect any floor - large or small - in just about any type environment!*

**ENECON® Ibérica & France**  
The Fluid Flow  
Systems Specialists.

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Your Local ENECON® Systems Specialist