• Apply by Brush, Roller or Flexible Applicator
• Requires No Heat
• Unlimited Shelf Life
• 100% Solids
• Safe & Simple To Use

**METALCLAD**® **CeramAlloy**® **CL+AC** is a High Performance Polymer Composite for resurfacing and protecting all types of fluid flow equipment from aggressive erosion and corrosion damage.

**METALCLAD**® **CeramAlloy**® **CL+AC** is a two component, 100% solids, liquid polymer composite used for repairing, resurfacing and coating both damaged and new components to provide outstanding fluid flow erosion and corrosion resistance.

When mixed, **CeramAlloy**® **CL+AC** is a viscous liquid. **CeramAlloy**® **CL+AC** cures to a hard, ceramic-like material with an extremely smooth surface finish.

Qualified for AFFF Stations and high-traffic interior passageways on U.S. Navy vessels as detailed in MIL-PRF-32171

Repairs & Protects...
• Heat Exchanger Tube Sheets & Water Boxes
• Pumps
• Valves & Pipework
• Housings & Tanks
• Cooling Towers ...and more

[Image of repair and protective coatings]
Using CeramAlloy® CL+AC

Surface Preparation - METALCLAD® CeramAlloy® CL+AC should only be applied to clean, dry and well roughened surfaces.

1. Remove all loose material and surface contamination and clean with a suitable solvent which leaves no residue on the surface after evaporation such as acetone, MEK, isopropyl alcohol, etc.

2. Clean/roughen surface by abrasive blasting.

3. If necessary, apply moderate heat and/or allow the component(s) to ‘reach’ to remove ingrained contaminants.

4. Thoroughly roughen surfaces by abrasive blasting to achieve a ‘white metal’ degree of cleanliness and an anchor pattern of 3 mils.

   Note: In situations where adhesion is not desired, such as when making molds and patterns or to ease future disassembly, apply a suitable release agent (mold release compound, paste wax, etc.) to the appropriate surfaces.

Mixing & Application - For your convenience, the CeramAlloy® CL+AC Base and Activator have been supplied in precisely measured quantities. Simply pour the entire contents of the Activator container into the Base container and, using a spatula, putty knife or other appropriate tool, mix thoroughly until the CeramAlloy® CL+AC reaches a uniform, streak-free color.

   Apply the mixed material to the prepared surface using a stiff-bristled brush, applicator or roller. As a guide, an even thickness of approximately 12-15 mils per coat should be obtained. A minimum two coat application is required.

   Overcoating should ideally be performed when the previously applied coat is just surface tacky; and certainly within 8 hours of the previous coat.

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.

   Please refer to the detailed SAFETY DATA SHEET (SDS) supplied with the material (also available on request) for more information.

Cleaning Equipment - Wipe excess material from tools immediately. Use acetone, MEK, isopropyl alcohol or similar solvent 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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