As a guide, the maximum amount of water which may be added is 1 part water to 4 parts mixed CHEMCLAD P4C. While thinning with water does not increase coverage rate, it will help insure that the optimum coverage rate is achieved for the given surface conditions.

While surface contour, roughness, porosity, etc. can affect coverage rate, as a guide, each kilogram of CHEMCLAD P4C will cover approximately 70 - 80 square feet (6 - 7 square meters) when applied at the recommended dry film thickness of 3 mils on a relatively smooth, uniform surface.

Note: Should less than a full unit quantity of CHEMCLAD P4C be required for a particular application, a partial mix can be accomplished by mixing 2 parts Base to 5 parts Activator by volume (2:5, v/v).

CHEMCLAD P4C is not NSF certified. All CHEMCLAD P4C must be applied and overcoated with CHEMCLAD SC in accordance with the following guidelines:

Note: On severely pitted concrete floors / floor areas, the use of the ENECLAD Self Priming Screed is recommended as an alternative to the CHEMCLAD P4C.

For NSF use information go to: http://info.nsf.org/certified/pwscomponents/index.asp?standard=061

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CHEMCLAD P4C is not NSF certified. All CHEMCLAD P4C must be applied and overcoated with CHEMCLAD SC in accordance with the following guidelines:

CHEMCLAD SC is a two component, 100% solids, polymer system used for creating an outstanding corrosion and chemical resistant protective coating on all types of potable water equipment and structures.

CHEMCLAD SC is simple to use. It mixes easily and can be applied by brush or roller. It is available in different colors to simplify overcoating. This self-leveling, high gloss coating yields a surface that's not only functional, but also aesthetically pleasing. CHEMCLAD SC is also available in 'safety yellow'.

**SURFACE PREPARATION**

CHEMCLAD SC should only be applied to clean, firm, dry, and well roughened surfaces.

1. Remove all loose material and surface contamination.
2. Depending on the surface, solvent clean and / or remove contamination by abrasive blasting, steam cleaning, pressure washing or other suitable means.
3. New concrete should be allowed to cure for a minimum of 28 days prior to treatment. Insure that all laitance is removed from cementitious surfaces before applying CHEMCLAD SC.
4. After removing all surface and sub-surface contamination, flush the area as necessary and allow to dry completely.
5. Metallic surfaces should be abrasive blasted to achieve a ‘white metal’ finish and a 3 mil profile. Commence the application of the CHEMCLAD SC immediately upon completion of surface preparation and before any oxidation takes place.

**PRIMING CONCRETE SURFACES**

Prior to applying CHEMCLAD SC to concrete and / or cementitious substrates, the surface should be treated with CHEMCLAD P4C to seal the surface, minimize out-gassing and insure that optimum adhesion is obtained. CHEMCLAD P4C is a two component, water borne, polymeric "adhesion enhancer" specifically formulated to help seal concrete / cementitious surfaces and insure optimum interface bonding between the surface and the CHEMCLAD SC.

Combine the two components and mix thoroughly until a uniform, streak-free, off-white color is achieved. Apply the mixed CHEMCLAD P4C to the surface using a brush or roller. Coat the area thoroughly but DO NOT flood or pool the CHEMCLAD P4C.

After first mixing the Base and Activator components together, the CHEMCLAD P4C may be thinned using a small amount of water to improve application characteristics.

**CHEMCLAD P4C Technical Data**

<table>
<thead>
<tr>
<th>Mixing ratio</th>
<th>Base</th>
<th>Activator</th>
</tr>
</thead>
<tbody>
<tr>
<td>-by weight</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>-by volume</td>
<td>2:5</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ambient Temperature</th>
<th>Working Life</th>
<th>Minimum Overcoating</th>
<th>Maximum Overcoating</th>
</tr>
</thead>
<tbody>
<tr>
<td>41°F 5°C</td>
<td>120 min</td>
<td>16 hrs</td>
<td>48 hrs</td>
</tr>
<tr>
<td>59°F 15°C</td>
<td>75 min</td>
<td>12 hrs</td>
<td>36 hrs</td>
</tr>
<tr>
<td>77°F 25°C</td>
<td>60 min</td>
<td>8 hrs</td>
<td>24 hrs</td>
</tr>
<tr>
<td>86°F 30°C</td>
<td>50 min</td>
<td>5 hrs</td>
<td>16 hrs</td>
</tr>
</tbody>
</table>

Note: On severely pitted concrete floors / floor areas, the use of the ENECLAD Self Priming Screed is recommended as an alternative to the CHEMCLAD P4C.

**MIXING AND APPLICATION**

CHEMCLAD SC is supplied in pre-measured quantities to simplify mixing of full units. Simply pour the contents of the Activator container into the Base container; then, using the supplied stirrer or a paint mixer in an electric drill, mix thoroughly until a uniform, streak-free color is achieved. Apply the mixed CHEMCLAD SC to the prepared (and / or primed) surface using a brush, squeegee or roller. As a guide, a coverage rate of 50 - 55 square feet (5 square meters) per kilogram should result in an applied thickness of approximately 6 - 7 mils on a relatively smooth surface.

Note: Shape, contour, porosity, roughness, etc. will affect the coverage obtainable. Since a minimum of two coats are recommended, CHEMCLAD SC is available in different colors to simplify overcoating.
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 SAFETY DATA SHEETS (SDS) supplied with the material and also available on request.

Wipe excess material from tools immediately. Use acetone, MEK, isopropyl alcohol or similar solvent as needed.

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.