



Using CHEMCLAD® P4C

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

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 ENECON® High Performance Polymer System selected as the finish coat.

SURFACE PREPARATION

1. Brush loose dirt from the surface to be coated and remove all oil, grease and other contaminants using a solvent which leaves no residue such as acetone, MEK, isopropyl alcohol, etc.
2. Clean and roughen the area of repair by abrasive blasting, steam cleaning, pressure washing or other suitable means.
3. After removing all surface and sub-strate contamination, flush the area thoroughly and allow to dry completely.

MIXING AND APPLICATION

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. As a guide, the maximum amount of water which may be added to a full 6 kg CHEMCLAD® P4C unit is 44 fluid ounces (1.3 liters). 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 the 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.

Please 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 and by weight (2:5, v/v; 2:5, w/w).

CURING TIME

All CHEMCLAD® P4C must be applied and overcoated with the ENECON® High Performance Polymer System selected as the finish coat in accordance with the following guidelines:

Working Life & Cure Times

Ambient Temperature		Working Life	Minimum Overcoating	Maximum Overcoat
41°F	5°C	120 min	16 hrs	48 hrs
59°F	15°C	75 min	12 hrs	36 hrs
77°F	25°C	60 min	8 hrs	24 hrs
86°F	30°C	50 min	5 hrs	16 hrs

CHEMCLAD® P4C Technical Data

Theoretical coverage rate per kg. @ 3 mils.		70 - 80 ft ² / 6 - 7 m ²		
Mixing ratio		Base	Activator	
-by volume		2	5	
-by weight		2	5	
Ambient Temperature		Working Life	Minimum Overcoating	Maximum Overcoating
41°F	5°C	120 min	16 hrs	48 hrs
59°F	15°C	75 min	12 hrs	36 hrs
77°F	25°C	60 min	8 hrs	24 hrs
86°F	30°C	50 min	5 hrs	16 hrs

FOR BEST RESULTS . . .

Please insure that, at time of application,

- all surfaces are dry
- the ambient temperature is above 41°F / 5°C
- all surfaces have been thoroughly and properly prepared.

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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ENECON® Corporation
The Fluid Flow
Systems Specialists.

6 Platinum Court
Medford, NY 11763-2251
TEL: 516-349-0022 · FAX: 516-349-5522
Toll Free: 888-4-ENECON
Email: info@enecon.com

www.enecon.com