ENECON®

Using CHEMCLAD® SC-P

NSF Certified to NSF/ANSI/CAN

Repairs & Rebuilds All Types Of Surfaces In Potable Water Applications...

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

CHEMCLAD® SC-P is a two component, 100% solids, polymer paste system that offers chemical protection while rebuilding and repairing all types of potable water equipment and structures.

CHEMCLAD® SC-P is simple to use. It mixes easily and can be applied by using a spatula, putty knife or appropriate mixing tools.

SURFACE PREPARATION

CHEMCLAD® SC-P 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. Insure that all laitance is removed from cementitious surfaces before applying CHEMCLAD® SC-P .

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-P immediately upon completion of surface preparation and before any oxidation takes place.

MIXING AND APPLICATION

CHEMCLAD® SC-P 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-P to the prepared surfaces using a spatula or putty knife.

Once the CHEMCLAD® SC-P is tacky, it can be overcoated.

Technical Data

Volume capacity per kg.	43 in^3 / 704 cc	
Mixed density	0.051 lbs per in^3 / 1.41 gm per cc	
Shelf life	Indefinite	
Volume solids	100%	
Mixing ratio	Base	Activator
By volume	5	2
By weight	3.57	1

Working Life & Cure Times

Ambient Temperature		Working Life	Touch Dry	Maximum Overcoating	Full Cure
59°F	15°C	90 min	24 hrs	48 hrs	6 days
77°F	25°C	70 min	16 hrs	24 hrs	4 days
86°F	30°C	55 min	8 hrs	16 hrs	3 days

Physical Properties

	Typical Values		Test Method
Tensile Shear Adhesion			
Steel	2300 psi	162 kg/cm^2	ASTM D-1002
Compressive Strength	10,000 psi	700 kg/cm^2	ASTM D-695

Elcometer Adhesion - to properly prepared cementitious surfaces is greater than the cohesive strength of the substrate.

Chemical Resistance

Acetic acid (0-10%)	G	Methyl ethyl ketone	NR
Acetic acid (10-20%)	NR	Naptha	EX
Acetone	NR	Nitric acid (0-10%)	G
Aviation fuel (JP-4)	EX	Nitric acid (10-20%)	G
Butyl alcohol	EX	Phenol	NR
Calcium chloride	EX	Phosphoric acid (0-10%)	G
Carbon tetrachloride	G	Phosphoric acid (10-20%)	G
Chloroform	NR	Potassium chloride	EX
Crude oil	EX	Propyl alcohol	EX
Diesel oil	EX	Skydrol	G
Ethyl alcohol	G	Sodium chloride	EX
Gasoline	EX	Sodium hydroxide	EX
Heptane	EX	Sulfuric acid (0-10%)	EX
Hydrochloric acid (0-10%)	EX	Sulfuric acid (10-20%)	EX
Hydrochloric acid (10-20%)	EX	Toluene	NR
Kerosene	EX	Trichlorethylene	NR
Methyl alcohol	G	Xylene	G

EX - Suitable for most applications including immersion. G - Suitable for intermittent contact, splashes, etc. NR- Not recommended

Certified to NSF/ANSI/CAN 61. ***For details, refer to Certification to NSF/ANSI/CAN Standard 61 on*** www.nsf.org.

ENECON products are manufactured under an ISO 9001:2015 Registered Quality Management 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 SAFETY DATA SHEETS (SDS) supplied with the material and also available on request.

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.

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