
DESCRIPTION:

The PREMERA CW two-step application process decontaminates surfaces at the molecular level, eliminating visually undetectable levels of highly corrosive substances, providing a uniform receptive surface prior to coatings application. The result is that protective coatings are more durable, more corrosion resistant and, therefore, substantially less likely to require frequent maintenance cycles- in other words; assets last longer and cost less to maintain. PREMERA CW is simple, safe and straightforward.

TYPICAL USES:

- After Surface Preparation and Prior to Protective Coating - for use anywhere a protective coating will be applied to a metal substrate and extended coating performance is desirable. Coatings applied over a PREMERA CW cleaned surfaces significantly outperform and extend coating service life when compared to coatings applied over substrates prepared according to conventional surface preparation standards. PREMERA CW does not leave any residue and is not film-former; it can be used with any coating system.
- Before and After Welding – PREMERA CW improves welding by removing contaminants that negatively affect puddling and weld porosity. PREMERA CW also cleans weld flame residue and other surface contamination after welds have cooled.
- New Construction / Fabrication – PREMERA CW expedites new steel construction by aiding in the removal of mill scale so that blasting time and blast media usage can be minimized.

***Note - PREMERA CW may be applied before or after oxidation of the steel occurs. Contact NCSI for further information.*

COLORS:

Clear to opaque liquid.

PACKAGING:

PREMERA CW2 is a liquid material supplied in 1-gallon /3.8 Liter pails. Each 1-gallon / 3.8 Liter container of PREMERA CW2 concentrate makes 100 gallons /380 Liters of useable product when properly mixed with deionized water.

COVERAGE:

CW2-Rinse Concentrate	Filtered Water	Coverage
Half (1/2) gallon package	25 gallons	Typical Rinse usage = 240 gal/hr.
One (1) gallon package	100 gallons	Four (4) gallons per minute @ 2,500 psi nozzle pressure.
Five (5) gallon package	500 gallons	Typical coverage area = 750 ft ² /hr. (3 ft ² /gal)

150 ft²/ 50 US gallon: 14m²/190 Liter of properly mixed PREMERA CW2. Be sure to allow for normal loss factors during mixing, handling and application when estimating practical coverage.

1-gallon Rinse Concentrate: 50 gallons filtered water: 50 gallons sprayable rinse

50 gallons rinse: 150 sq.ft

STORAGE:

Store on pallets out of direct sunlight, do not allow to freeze

PROCESSING PROPERTIES (Under standard lab conditions)	
Mix Ratio	1-gallon Rinse Concentrate: 100 gallons filtered water: 100 gallons sprayable rinse
Dry to Touch	Dry to touch within 20 – 30 minutes dependent on relative humidity, dependent on wind and air movement, air temperature and substrate temperature.
Working Pot Life	30 days. Mix only as much PREMERA CW2 as is needed for the project or can be used within thirty days after mixing.
Shelf life	12 months

MIXING:

PREMERA CW2 is a liquid material supplied in 1-gallon pails. Each 1-gallon container of PREMERA CW2 concentrate makes 100 gallons of useable product when properly mixed with deionized water.

Mix Ratio 1 gallon/3.8 Liters: 100 gallons/380 Liters activated carbon filtered or good quality potable water.

Once units of PREMERA CW2 have been mixed, they should remain covered until applied. *Contact NCSI Technical Support for further assistance.*

SURFACE PREPARATION:

PREMERA CW2 is to be used after proper application of PREMERA CW1. Consult the PREMERA CW1 product data sheet for detailed surface preparation and application instructions for PREMERA CW1.

APPLICATION:

(PREFERRED) 2,000-5,000 psig pressure washer. Flush pressure washer with potable water and then with a single rinse of good quality water if the pressure washer has previously been used to dispense chemicals or soap. Use a medium width fan tip or a swirl tip and hold the tip close to the surface being washed.

(Alternate) Airless sprayer. If airless spray equipment, hoses and gun have been used previously for applying paint, flush with strong solvent, then with activated carbon filtered or chlorine free water. When possible, use new fluid hose. Use a large wide-fan tip, and hold the gun close to the surface being PREMERA CW2 cleaned. Continue PREMERA CW2 cleaning until all PREMERA CW1 residues has been removed from the surface. Do not leave PREMERA CW1 residue on the PREMERA CW2 cleaned surface.

Test spots or small areas of PREMERA CW1 may be removed using PREMERA CW2 in a hand spray bottle, or by scrubbing with a clean scrub brush dipped in PREMERA CW2 and then rinsing the area with additional PREMERA CW2.

PREMERA CW1 may be applied using wet abrasive blast equipment as part of a wet abrasive blast surface preparation process, where the wet abrasive blast application equipment is compatible. *Contact NCSI for further information.*

PREMERA CW2 prepared surfaces may be painted as soon as the substrate is fully dry. In cool, humid conditions increasing airflow over the substrate may speed up drying time. Be careful not to contaminate the surface.

PREMERA CW2 prepared surfaces will not “rust back” or “flash rust,” if contaminants have been thoroughly removed, but atmospheric contaminants may settle on the PREMERA CW prepared surface if left exposed and unpainted.

PREMERA CW2 only areas, which can be coated soon after the substrate is dry, preferably during the same shift or the same workday.

EQUIPMENT CLEAN UP:

Thoroughly flush all equipment with potable water according to normal maintenance procedures. Dispose of cleanup waste in accordance with all local ordinances.

LIMITATIONS:

Do not coat surfaces prepared with PREMERA CW1, which have not been properly prepared with PREMERA CW2.

Do not coat surfaces prepared with PREMERA CW1 with tap water or with anything other than PREMERA CW2 treated water.

WARRANTIES AND DISCLAIMERS:

Nukote Coating Systems International, a Nevada, USA Corporation warrants that the two components of this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper mixture and application of the components by the applicator. Nukote Coating Systems has no role in the application of the finished polymer other than to manufacture and supply its two components. It is vital that the person applying this product understands the product and is fully trained and certified in the use of plural component equipment and application of plural component materials. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Nukote Coating Systems International and executed under seal by a company officer.