



# CHEM-PHP PLUS

Concrete Polisher, Hardener & Densifier

## PRODUCT DESCRIPTION

CHEM-PHP PLUS is a water-based polisher, hardener, and densifier formulated to increase the wear resistance and surface strength of concrete floors that have been mechanically ground smooth and polished. CHEM-PHP PLUS penetrates concrete diamond ground floors and accentuates the polishing, sealing, and densifying, and hardening of the concrete floor. CHEM-PHP PLUS floors last longer than other conventionally sealed floors, reduce maintenance, and increase light reflectivity of the floors. CHEM-PHP PLUS is a water-based VOC compliant odorless and environmentally safe compound produced under ISO 14001 and 9001 Standards which makes it one of the best products in the industry.

## FIELDS OF APPLICATION

CHEM-PHP PLUS is an ideal polishing, hardening, densifying and dustproofing agent for:

- Industrial plants, i.e. chemical processing, sewage treatment, water treatment, refineries, food processing, etc.
- Civic Center and Sport Arenas
- Warehouse Slabs

## PRODUCT FEATURES

- Water based
- No VOC
- Non-Toxic
- Easily applied by low pressure sprayer

## PACKAGING

Product	Packaging
CHEM-PHP PLUS	1 Gallon (3.785 Liters) Jug
	5 Gallon (18.92 Liters) Pail
	55 Gallon (208.18 Liters) Drum

## TECHNICAL DATA

Property @ 25°C (77°F)	Value
Specific Gravity	1.16
Freeze Temperature °F (°C)	20 (-7)
Boiling Point °F (°C)	214 (102)
Solvent Clean up	Water
Color	Clear
Odor	None
Toxicity	None
VOC (gm/Liter)	0.0
Flammability	None
Fumes During Treatment	None
Environmental Hazards	None

## Applicable Standards

<b>ASTM C-42:</b> 40% increase in compressive strength @ 14 days
<b>ASTM C-642:</b> Standard Test Method for Density, Absorption, and Voids in Hardened Concrete
<b>Penetration Test (Ink Test):</b> 1 – 5 mm depth

## APPLICATION DATA

### Old Concrete:

1. Clean the surface and remove any contaminants and dust to open the surface voids.
2. Spray CHEM-PHP PLUS evenly at a coverage ratio of 200 ft<sup>2</sup>/Gallon (4.9 m<sup>2</sup>/Liter).
3. Maintain the surface wet with the product for 30 minutes by reapplying to porous areas that quickly absorb the product; meanwhile, agitate the product over areas that show slow absorption rates using a bristle broom or a brush.
4. Sweep away any excess or unabsorbed material with a broom or squeegee.
5. Allow the surface to dry for about 2 hours, and then flush with water to remove any excess materials remain on the surface.

### New Concrete

Soon after the concrete substrate has reached the set stage and the finishing is complete, make sure the surface is free from ponding water then apply CHEM-PHP PLUS to new concrete following the same steps as in the case of old concrete.

## CLEANING

Clean all tools and sprayers with water.

## STORAGE

Store all containers between 40°F (5°C) and 95°F (35°C). Shelf life is 24 months in original unopened container. **Do not allow product to Freeze.**

## SAFETY PRECAUTIONS

Do not allow material to come into contact with glass, aluminum or glazed tile systems. **Keep Out of Reach of Children.**

## TECHNICAL ASSISTANCE

Please contact International Chem-Crete Corporation for Technical Personnel.

## WARRANTY

**LIMITED WARRANTY:** International Chem-Crete Inc. warrants that, at the time and place we make shipment, our materials will be of good quality and will conform to our

published specifications in force on the date of acceptance of the order.

**DISCLAIMER:** The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. International Chem-Crete Inc. is not under any circumstances liable to connection with the use of information. As International Chem-Crete Inc. has no control over the use to which others may put its products, it is

recommended that the products be tested to determine the suitability for specific applications and/or our information is valid in particular circumstances. Responsibility remains with the architect or engineer, contractor and owner of the design, application and proper installation of each product. Specifier and user shall determine the suitability of the product for specific application and assume all responsibility in connection therewith. AM26319.

### Manufactured By:



International Chem-Crete Inc., 800 Security Row, Richardson, TX 75081, U.S.A

Tel: (972) 671-6477, Fax: (972) 238-0307

[contactus@chem-crete.com](mailto:contactus@chem-crete.com)      [www.chem-crete.com](http://www.chem-crete.com)