



CreteDefender CP™ “Complete Protection” Tech Data Sheet

Product Description:

CreteDefender CP™ is a concrete hardener and densifier that is also a water repellent. It creates a clear, impervious barrier to protect exterior concrete surfaces from the sources of deterioration such as salts/chlorides (including salts from ocean and sea air), acid rain, sulfates, freeze/thaw cycles, water, and stains.

CreteDefender CP is not a coating or membrane. It penetrates into the pore and capillary structure where it chemically reacts with free lime to create a hard gel to fill the voids. It also reacts with CO₂ in the air to create a water repellent surface layer. The hard gel remains for the life of the concrete. The water repellency is effective for at least 5 years.

Key Features & Benefits:

- Saves you money by dramatically reducing costs of maintenance and repair
- Is quick and easy to apply
- Is environmentally safe, non-hazardous, non-toxic and non-flammable
- Has no smell, no Volatile Organic Compounds (VOC's)
- Is not affected by UV exposure
- Does not change the color of the concrete

Recommended Uses:

Use where you want to:

- Prevent freeze/thaw damage
- Prevent salt damage by repelling water and the chemicals carried by water, including salts, from the concrete surface
- Restore the pH and arrest deterioration in older concrete

Product Data	
Package Sizes	5 gal. pail (54 lbs./24.5 kg)
& Weights:	55 gal. drum (530 lbs./ 240 kg)
Specific Gravity:	1.41 @ 20°C
Freezing Point:	30°F/ -1°C
PH:	11.3
Protect from Freezing:	Yes
VOC's:	None (ASTM-D2369)
Appearance & Odor:	Colorless, turbid liquid. No odor to slightly soapy odor.
Flammable:	No
DOT Hazard Class:	None
Hazards:	Health: 2 (Acute)
<i>Irritating to the eyes, skin, and mucous membranes. Do not ingest.</i>	
Mixing:	<u>DO NOT MIX OR DILUTE</u>
Coverage:	<i>120 sq.ft./gallon (2.9 sm/liter)</i> <u>See Coverage notes</u>
Drying time:	2-10 hours
Drying time before paint/coatings:	No coatings/ paints can be applied after CP application.
Initial Cure:	24 hours
Complete Cure:	75 days
Shelf Life:	2 years, unopened

- Resist stains and damage from chemical spills
- Resist abrasion and minimize dusting
- Prevent damage from sulfates and acid rain.

CreteDefender CP is effective on concrete pavers and exterior concrete of both high and low quality, pre-cast, structural, horizontal or vertical whether old or new.

Application:

Apply CreteDefender CP by spraying or rolling onto clean, dry concrete. Only one application is required. Treated areas are safe to use as soon as the product has dried.

All sealers and coatings, if any, must be removed from the surface in order for CreteDefender CP to be properly applied. Concrete more than 6 months old, or that has any dirt, grime or other substance

blocking the pores at the surface must be removed prior to application.

CreteDefender CP is shipped in ready-to-use form. DO NOT DILUTE. CreteDefender CP is highly alkaline (pH 11-12) and protective eye wear (face shield recommended) and clothing must be worn when applying. Avoid contact with aluminum and glass. Coatings or paints cannot be applied over surfaces treated with CreteDefender CP. No sheen is created on the treated surfaces.

CreteDefender CP must not be applied if rain is expected within 24 hours of application. Do not allow water to contact a treated surface for 24 hours after application. If water contacts the treated surface before 24 hours have elapsed, you may need to re-apply CreteDefender CP.

Coverage:

Saturate the surface at a rate of 120 square feet per gallon (2.9 square meters per liter). You are not applying a membrane or coating. Apply in generous quantities with single, overlapping passes. Any puddles or ponding should be removed from the concrete using a stiff broom or squeegee, moving the CP until there is none left standing on the surface of the concrete. Some areas may begin to dry before others. Do not re-apply CP to those areas, as they will turn a darker hue than the surrounding concrete.

Warranty: CreteDefender CP carries a 5 year limited product warranty.