



# CreteDefender MS2™ Multi Surface Sealer Tech Data Sheet

## Product Description:

CreteDefender MS2™ is a water repellent that creates a clear, breathable barrier to protect many types of exterior hard surfaces from the sources of deterioration, such as salts/chlorides, abrasion, freeze/thaw cycles, water, and stains.

CreteDefender MS2 is not a coating or membrane, but reacts with CO2 in the air to provide a strong barrier. It is effective for 3-7 years. It is for use in all types of exterior environments, temperate, extreme hot, extreme cold, and where frequent temperature fluctuations occur.

## Key Features & Benefits:

- 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 substrate surface
- Resist stains and damage from chemical spills.

CreteDefender MS2 can be used anywhere you want to keep various

## Product Data

Package Sizes & Weights:	5 gal. pail (47 lbs./21.3 kg) 55 gal. drum (505 lbs./ 229 kg)
Freezing Point:	30°F/ -1°C
PH:	12
Protect from Freezing:	Yes
VOC's:	None (ASTM-D2369)
Appearance & Odor:	Colorless liquid. No odor to slightly soapy odor.
Flammable:	No
DOT Hazard Class:	None
Hazards:	Health: 2 (Acute)

*Irritating to the eyes, skin, and mucous membranes.  
Do not ingest.*

Mixing:	<b><i>DO NOT MIX OR DILUTE</i></b>
Coverage:	<i>200 sq.ft./gallon (4.9m<sup>2</sup>/liter)</i> <b><i>See Coverage notes</i></b>
Drying time:	1-6 hours
Drying time before paint/coatings:	No coatings/ paints can be applied after MS2 application.
Initial Cure:	24 hours
Complete Cure:	24 hours
Shelf Life:	2 years, unopened

types of exterior hard surfaces from deteriorating. It is effective on:

- Concrete: High and low quality, outside, broom finished, slab, pre-cast, structural, decorative (stamped, stenciled, or polished), horizontal or vertical, old or new
- Concrete block
- Masonry
- Brick
- Stucco
- Concrete pavers, and other hard cementitious products

## Application:

CreteDefender MS2 is applied by spraying or rolling onto clean, dry surfaces. All sealers and coatings, if any, must be removed from the surface in order for CreteDefender MS2 to be properly applied. Concrete more than 6 months old, or with any dirt, grime or other substance blocking the pores at the surface of the concrete must be removed prior to application.

Do not use on interior, machine-troweled concrete.

CreteDefender MS2 is shipped in ready-to-use form. DO NOT DILUTE. CreteDefender MS2 is highly alkaline (pH 12) and protective eye wear and clothing must be worn when applying. Avoid contact with aluminum.

Only one application is required. Treated areas are safe to use as soon as the product has dried. No sheen is created on the treated surfaces.

CreteDefender MS2 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 MS2.

Re-application is recommended once you begin seeing water soaking into the concrete.

Coatings or paints cannot be applied over surfaces treated with CreteDefender MS2.

## Coverage:

CreteDefender MS2 must be applied using a method that covers the surface evenly at a rate of 200 square feet per gallon. You are not applying a membrane or coating. Any puddles or ponding should be removed from the concrete using a stiff broom or squeegee, moving the MS2 until there is none left standing on the surface of the concrete. CreteDefender MS2 is a reactive chemical that bonds to the surface layers of cementitious or masonry products.

Warranty: CreteDefender MS2 carries a 5 year limited product warranty.