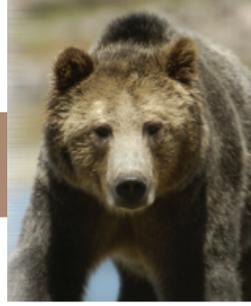


Barrier™



DESCRIPTION

Barrier is a water-based, VOC compliant spray-on evaporation reducer for fresh concrete surfaces. **Barrier** reduces the loss of surface moisture by forming a continuous mono-molecular film over the concrete surface.

APPLICATIONS

To reduce surface evaporation of plastic concrete exposed to rapid drying environments. **Barrier** is especially useful in hot, windy, low humidity situations where rapid surface evaporation can result in concrete surface defects such as; plastic shrinkage cracking, crusting, crazing, or dusting.

FEATURES/BENEFITS

- Reduces moisture loss and drying of plastic concrete surfaces.
- Reduces the effects of low relative humidity and wind.
- Eliminates or reduces surface “crusting” and concrete sponginess.
- Helps prevent map cracking and plastic shrinkage.
- Promotes superior concrete surfaces.

SPECIFICATIONS

The use of a mono-molecular film to prevent rapid drying of fresh concrete is recommended in the following ACI documents: ACI 305R, “Hot Weather Concreting;” ACI 302.1R, “Guide for Concrete Floor and Slab Construction;” ACI 308, “Standard Practice for Curing Concrete;” and ACI 345R, “Guide for Concrete Highway Bridge Deck Construction.”

TECHNICAL NOTE

According to ACI 305, “Hot Weather Concrete,” plastic shrinkage cracking of concrete is probable whenever the evaporation rate exceeds 0.2 lbs./sq. ft./hr. (1.0 Kg/sq. m/hr.). Many combinations of air temperature, relative humidity, concrete temperature, and wind velocity can produce an evaporation rate that exceeds 0.2 lbs./sq. ft./hr. (1.0 Kg/sq. m/hr.). See evaporation chart.

LIMITATIONS

Barrier is not suitable for use as a surface retarder for producing exposed aggregate surfaces. Do not use **Barrier** as a curing compound.

PACKAGING

55-gallon drums and bulk tank truck

DIRECTIONS

Dilution/Mixing: **Barrier** is packaged in a concentrated solution which requires a dilution rate of 1:9 (1 gallon **Barrier** to 9 gallons of water). Mix/agitate thoroughly. For larger quantities, add 5 gallons (18.9 liter) of **Barrier** concentrate to a clean 55-gal. (208-liter) drum, and then add 45 gallons (170 liter) of water and mix thoroughly.

Application: Using a hand or power sprayer / fogger, apply **Barrier** uniformly over the surface of the plastic concrete until sheen appears. Apply immediately after screeding and/ or between finishing operations (as needed). Coverage rate is 200 to 300 sq. ft./gal. (4.9 to 7.4 sq. m/liter). **Barrier** will not retard the setting characteristics of the concrete.

STORAGE

Barrier should be stored in temperatures 40 degrees Fahrenheit or higher.



PREMIERE CONCRETE SOLUTIONS

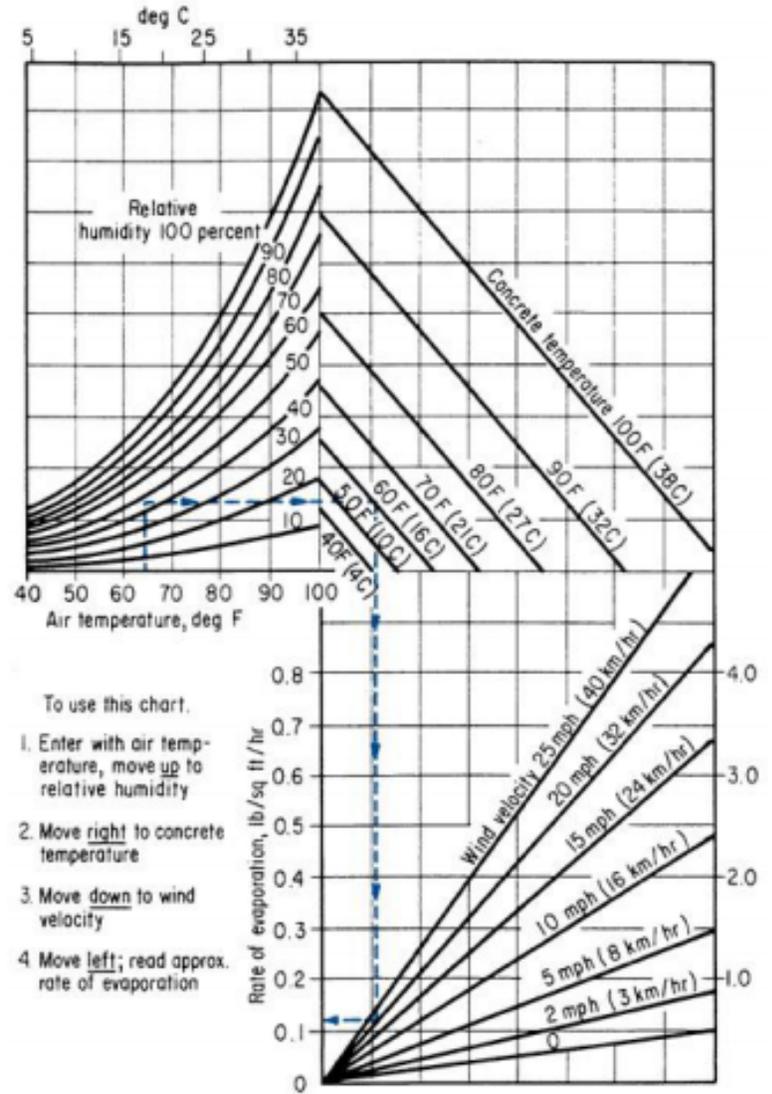
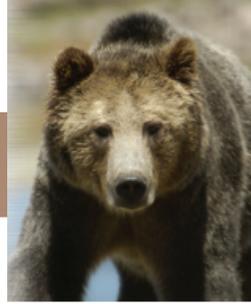
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Barrier™



- To use this chart.
1. Enter with air temperature, move up to relative humidity
 2. Move right to concrete temperature
 3. Move down to wind velocity
 4. Move left; read approx. rate of evaporation

Evaporation Chart



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