EUCOBAR
Evaporation Retardant

EUCLID CHEMICAL

Description

EUCOBAR is designed to be used as an evaporation retardant on concrete surfaces of all types. When sprayed over fresh concrete, EUCOBAR forms a monomolecular film that prevents rapid moisture loss from the concrete surface. It is easy to use requiring only the addition of water before spray application. EUCOBAR is especially effective when concreting operations must be performed in direct sun, wind, high temperatures, or low relative humidity.

Primary Applications

- Floors
- Pavements
- Concrete toppings
- Vertical/overhead repairs
- Dry shake floors including all SURFLEX and EUCO-PLATE formulations
- Specialty iron toppings
- Parking decks and ramps

Features/Benefits

- Holds in surface moisture on concrete floors, slabs, and repairs
- Helps prevent plastic shrinkage cracking
- Easy and economical to use
- Helps eliminate crusting caused by loss of surface moisture
- Water based for total compatibility with fresh concrete
- Excellent for both interior and exterior concrete projects
- Will not affect adhesion of curing compound or other treatments

Technical Information

EUCOBAR is a water based polymer concentrate that is readily dilutable in water.

Evaporation rate is a function of relative humidity, concrete temperature, air temperature and wind velocity. Plastic shrinkage cracking is a strong possibility when the rate of evaporation exceeds 0.2 lb/ft^2/hr (1.0 kg/m^2/hr). The chart on the back of this page (Fig. 2.1.5 of ACI 305, Hot Weather Concreting) is useful in determining the evaporation rate under a given set of jobsite conditions. Use EUCOBAR when the above limit is exceeded.

Appearance: EUCOBAR is a free flowing pink liquid designed to be mixed with water. The use of EUCOBAR will not affect the color of concrete.

Packaging

EUCOBAR is packaged in 55 gal (208 L) drums, 5 gal (18.9 L) pails and in cases of 1 gal (3.8 L) jugs (6 jugs per case).

Shelf Life

2 years in original, unopened containers

Coverage

Dilution Rate: 9:1 (Water:EUCOBAR)

EUCOBAR (after dilution) will cover approximately 200 to 400 ft^2/gal (5 to 10 m^2/L). Coverage will vary depending on concrete texture and wind conditions. For estimating purposes, 1 gal (3.8 L) of EUCOBAR concentrate will treat 2000 to 4000 ft^2 (186 to 372 m^2) of concrete surface area, but is highly dependent upon ambient conditions.

DIRECTIONS FOR USE

Surface Preparation: EUCOBAR is applied directly to the surface of fresh concrete. No surface preparation is necessary.

Mixing: EUCOBAR is supplied as a concentrate and must be diluted with water at a 9:1 (water:EUCOBAR) ratio. Determine capacity of sprayer and divide by 10. Add this amount of EUCOBAR to the sprayer canister followed by 9 times that amount of water. For example, if 1 quart (0.95 L) of EUCOBAR is added, dilute with 9 quarts (8.5 L) of water. Mix or shake until thoroughly blended.

Placement: Apply using a tank type, hand pump sprayer capable of spraying in a fine mist. Use a slotted tip for the best spray. Spray EUCOBAR over the fresh concrete surface as soon as possible after floating. A pink, translucent sheen will appear as the surface is treated. On extreme drying conditions, additional applications may be given as needed. When used on floors with dry shake hardener applications, EUCOBAR may be used on the fresh concrete as well as between each shake application.

Curing & Sealing: Proper curing procedures are important to ensure the durability and quality of concrete. To prevent surface cracking, cure flatwork with a high solids cure and seal, such as SUPER AQUA-CURE VOX or REZ-SEAL.
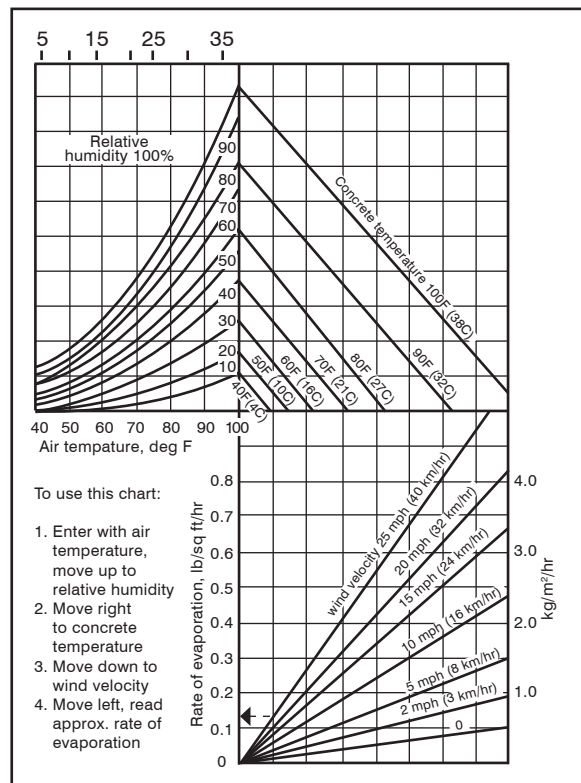

Fig. 2.1.5, ACI 305, Hot Weather Concreting

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

CLEAN UP

Clean spray equipment with soap and water.

PRECAUTIONS/LIMITATIONS

- Use with proper dilution rate.
- This product is not a surface retarder for doing exposed aggregate concrete
- Do not use as a curing compound.
- Apply only as a fine spray.
- Do not allow to freeze.
- In all cases, consult the Safety Data Sheet before use.

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