

ROBUST FORMULATION FOR TYPE IL CEMENTS



EUCLID CHEMICAL

EUCOSHIELD

INTEGRAL FINISHING ADMIXTURE



FEATURES AND BENEFITS

- Improves finishability
- Improves placeability
- Improves workability
- Controls bleed water
- Reduces rapid moisture loss from the surface of the concrete
- Reduces issues caused from over-finishing
- Reduces plastic shrinkage cracking

Having concrete issues with the changing cements? EUCOSHIELD is an integral finishing admixture that is specifically formulated to work with Type IL cements to improve overall concrete performance. EUCOSHIELD improves finishability, pumpability, and workability of concrete by controlling the water of convenience. Best of all - the cement chemistry does not affect the performance of this robust solution. Setup a trial with EUCOSHIELD by contacting one of our local sales representatives today!

EUCOSHIELD simply makes the concrete better.

For more information, visit our website or scan the QR code: euclidchemical.com/eucoshield



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EUCOSHIELD

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/ft² /hr (1.0 kg/m²/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 EUCOSHIELD when the above limit is exceeded.

To further improve resistance to plastic shrinkage cracking, the addition of PSI FIBERSTRAND synthetic microfibers are recommended along with a curing compound meeting ASTM C309 or a curing and sealing compound meeting ASTM C309, ASTM C1315. If evaporation rates are extremely high, consider the use of EUCOSHIELD along with PSI Fiberstrand micro fibers and Eucobar surface applied evaporation retardant.

EUCOSHIELD CONCRETE SAMPLE MIX DESIGN

MATERIAL	lb/yd ³	kg/m ³
Cement	517	307
Fine Aggregate	1491	885
Coarse Aggregate	1694	1005
Water	242	144
Air	6%	6%

ADMIXTURES

ADMIXTURE	oz/cwt	ml/100kg
EUCON AIR MAC12	0.6	39
EUCON MR	4.0	260
EUCOSHIELD	2.0	130

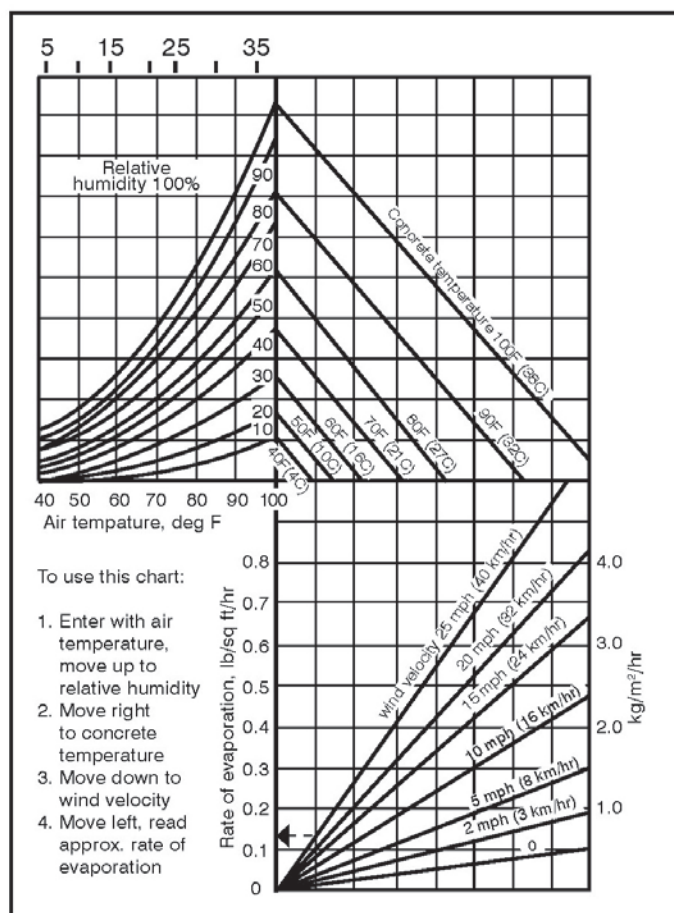


Fig. 2.1.5, ACI 305, Hot Weather Concreting

For more than 100 years, The Euclid Chemical Company has served as a leading supplier to the concrete and masonry industry, offering a full line of engineered concrete admixture and construction products marketed under the EUCO brand name. These products include concrete admixtures, block and masonry additives, curing and sealing compounds, epoxy adhesives, floor and wall coatings, structural grouts for columns, equipment and machinery, joint fillers and repair products. The Euclid Chemical Company strives to bring innovative technologies and products to the concrete market with industry-leading customer service.