

KB-1000 is specifically formulated to improve the finishing and setting characteristics of all concrete, especially lean concrete mixtures or those which may cause slower-setting cement.

KB-1000 is extremely effective in all performance concretes, especially those which contain fly ash, slag or pozzolans.

KB-1000 may be used at higher dosage rates (mid-range application) without retardation.

KB-1000 does not contain chloride and is recommended for use in all concrete, including prestressed/post-tensioned or other metallic impregnated concrete

APPLICABLE STANDARDS

General Resource Technology's **KB-1000** meets and will exceed the requirements of ASTM C 494, Type A and F and AASHTO M 194. Independent laboratory tests are available upon request.

ADVANTAGES

Plastic Concrete

- Superior finishing and setting characteristics
- Reduced mix water requirement needed to produce a given slump or consistency (reduced water/cementitious ratio)
- Reduced bleed water while increasing trowelability
- Consistent performance at all normal range slumps
- Excellent mid range application (slump 6-8 inches)
- Increased homogeneity and reduced consolidation time
- Increased slip-form placement performance
- Increased pumpability

Hardened Concrete

- Increased early and ultimate compressive, and flexural strengths

KB-1000

Finishing Aid/Water Reducer

- Reduced shrinkage and cracking
- Reduced permeability and increased water-tightness
- Increased freeze-thaw durability
- Superior surface appearance

DOSAGE RATES

3 to 8 oz. per 100 lbs. (89-237 ml/kg) cementitious material.

Specific mid-range applications of 6-10 oz. per 100 lbs. of cementitious material may be possible. Contact your GRT/POLYCHEM representative for assistance.

TECHNICAL SERVICE

General Resource Technology has trained representatives as well as technical consultants available to all specifiers and users to assist with field use and promotion, specifications, and dispenser services. General Resource Technology highly recommends that these services be utilized to ensure maximum performance and benefit while using **KB-1000**.

KB-1000

Finishing Aid/Water Reducer

AVAILABILITY

KB-1000 is available in bulk or 55 gallon drums.

General Resource Technology will install, service and maintain dispenser systems for bulk admixture purchasers.

HANDLING

KB-1000 is a specifically blended polymeric material which is environmentally safe. Care should be exercised and goggles or protective eyewear are recommended.

MSDS are available.

COMPATIBILITY

KB-1000 is compatible with approved air-entrainment admixtures, calcium chloride, stearates, and similar chemical derivatives. **KB-1000** is compatible with all types of cement. **KB-1000** will not entrain air significantly.

SPECIFICATION SUGGESTIONS

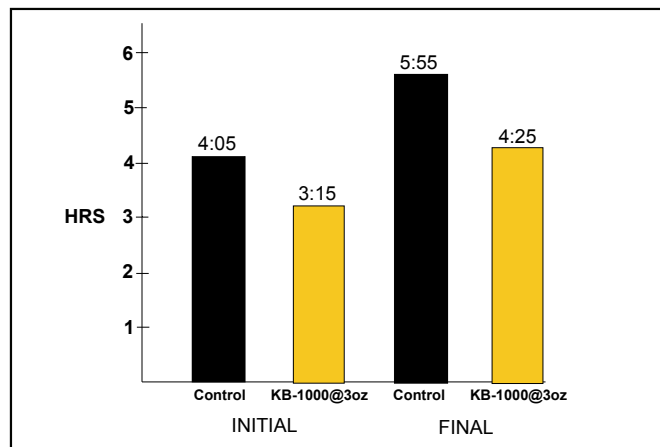
All concrete shall contain **KB-1000**, ASTM C494 Type A normal setting water reducer, produced by General Resource Technology, Eagan, MN. Suggested dosage rate shall be 3 to 8oz. per 100 wt. of cementitious material unless recommended otherwise by General Resource Technology Technical Services.

WARRANTY

General Resource Technology warrants **KB-1000** to be free from defects in materials and manufacture. General Resource Technology is not responsible for conditions outside of its control, including other materials, workmanship, design, inspection, supervision, labor, ambient temperature and field conditions, which are the proper responsibility of others.

KB-1000

TIME OF SET (ASTM C403)



Cement Type I/II 517#/yd. Concrete Temperature 71° Air Entrained
Dosage rates are per 100# of cementitious material.

The information contained herein is intended as a guide only, cementitious materials will vary in setting characteristics as well as interaction with admixtures.