

Polychem HE is a combination accelerating and water-reducing admixture for concrete. **Polychem HE** is designed to accelerate the set and increase strengths at all ages.

Polychem HE contains chloride and is specifically formulated to promote earlier finishing. It improves the plastic and hardened properties of concrete.

APPLICABLE STANDARDS

Polychem HE will meet or exceed the requirements of ASTM C 494, Type E, CRD C 87, and AASHTO M 194.

ADVANTAGES

In Plastic Concrete

- Significant labor savings
- Accelerates setting times
- Earlier finishing of slabs
- Superior workability
- Reduced heating costs
- Reduced segregation

In Hardened Concrete

- Superior finished appearance
- Increased resistance to freeze-thaw conditions
- Early stripping and re-use of forms
- Reduction in cracking

COMPATIBILITY

Polychem HE is compatible and effective with all types of portland cement, standard air-entraining agents, fly ash, microsilica, fibers, calcium chloride and stearates.

DOSAGE RATES

8 to 32 oz. per 100# of cementitious material, dependent upon acceleration needed or required and the ambient temperature as well as concrete temperatures involved.

TYPICAL COMPRESSIVE STRENGTHS

517 lbs. cement - 3/4" slump
Polychem HE @ 16oz/100# cement

	Control	Polychem HE
3 day	2690	3310
7 day	4310	4490
28 day	5250	5310

TYPICAL SETTING TIMES

(ASTM C 403 Initial Set)

	Polychem HE	
Control	16oz/100#	32oz/100#
7:30	5:10	4:05

SUGGESTED SPECIFICATION

All concrete shall contain **Polychem HE**, ASTM C 494, Type E accelerator, manufactured by General Resource Technology. Dosage rate shall be 8 to 32 oz. per 100# cementitious material, unless otherwise recommended by the manufacturer.

Polychem HE

Water Reducing- Accelerating Admixture

PACKAGING

Polychem HE is available in 55 gallon drums or in bulk. General Resource Technology will supply, install and maintain appropriate dispenser systems for bulk admixture users.

WARRANTY

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

HANDLING

Polychem HE and it's components are environmentally safe, however care should be exercised when handling or coming in contact with all chemical admixtures. Protective glasses or goggles are recommended. MSDS available.