

Polychem Super Set

Accelerating Admixture

Polychem Super Set is a non-chloride, water reducing admixture formulated to accelerate the strength development and setting time of concrete in cold weather.

Polychem Super Set can reduce labor costs associated with the finishing process.

Polychem Super Set is non-corrosive and therefore, will not aid in the corrosion of reinforcing steel embedded within the concrete. It is recommended for use in all types of concrete, especially reinforced and pre-stressed.

APPLICABLE STANDARDS

Polychem Super Set meets or exceeds the requirements of ASTM C 494, Type C and E, CRD C 87, and AASHTO M 194.

ADVANTAGES

Plastic Concrete

- Accelerates setting times
- Earlier finishing of slabs (flatwork)
- Superior workability
- Superior finishing characteristics for cast surfaces and flatwork
- Reduced heating costs and protection time in cold weather
- Reduced segregation and bleeding

Hardened Concrete

- Increased early-age strengths
- Superior finished appearance
- Increased resistance to freeze-thaw conditions
- Early stripping and reuse of formwork

DOSAGE RATES

Polychem Super Set's normal recommended dosage rates are 6 to 32 oz. per 100 lbs. 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 Super Set 16 oz. per
100# cement

	Control	Super Set
3 day	2690	3550
7 day	4310	4810
28 day	5250	5580

TYPICAL SETTING TIMES

(ASTM C 403 Initial Set)
Polychem Super Set

Control	16oz/100#	32oz/100#
7:30	5:10	3:55

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COMPATIBILITY

Polychem Super Set is compatible and effective with all types of Portland cement, standard air-entraining agents, fly ash, microsilica, fibers, calcium chloride and stearates. **Polychem Super Set** does not entrain air or contain calcium chloride.

PACKAGING

Polychem Super Set is available in bulk or 55 gallon drums. GRT will install, service and maintain dispenser systems for bulk admixture purchasers.

HANDLING

Polychem Super Set and its components are user-friendly, however, care should be exercised when handling or coming in contact with all chemical admixtures. Protective glasses or goggles are recommended. MSDS available.

Polychem Super Set should be protected against freezing. In the event that freezing does occur, thaw and mildly agitate to restore original consistency.

Air pressure is not recommended.

SUGGESTED SPECIFICATION

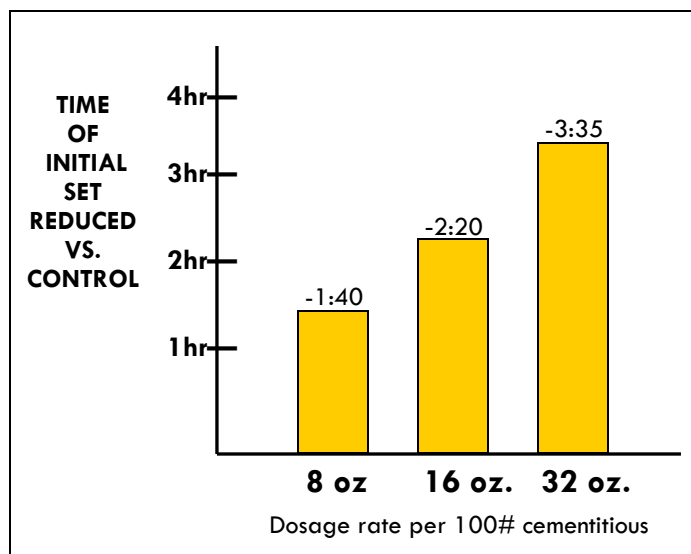
~~All concrete shall contain Polychem Super Set~~ ASTM C 494, Type C and E accelerator, manufactured by General Resource Technology. Dosage rate shall be 8 to 32 oz. per 100# of cementitious material unless otherwise recommended by the manufacturer.

WARRANTY

GRT warrants **Polychem Super Set** to be free from defects in materials and manufacture. GRT is not responsible for conditions outside its control, including other materials, workmanship, design, inspection, supervision, labor, ambient temperature and field conditions, which are the proper responsibility of others.

POLYCHEM SUPER SET

Performance @ 35° - 40° AMBIENT TEMPERATURE



Cement Type I/II 517#/yd Concrete Temperature @ 60°
Dosage rates are per 100# of total 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.