

Polychem SA is a specifically developed multi-component air entraining admixture which has been stabilized to produce an air-void system which is consistent with industry requirements and standards.

Polychem SA when added separately will produce an air-void system that is equivalent or exceeds that of pure vinsol resin based admixtures at substantially reduced dosage rates.

Polychem SA is a synthetic based alpha-olefin that will produce a small, more well defined and spaced bubble structure, which is stabilized to be more efficient when used in the production of concrete mixtures which contain low alkali cement or supplementary cementitious materials.

APPLICABLE STANDARDS

Polychem SA meets or exceeds the requirements of ASTM C 260, CRD C-13, and AASHTO M 154.
(Test results available upon request.)

ADVANTAGES

- Superior air-void systems which may be less affected by low alkali cements or cement chemistry
- Excellent durability in freeze-thaw applications due to consistent bubble size and spacing in hardened concretes
- Improved resistance to salt scaling & sulfate related deterioration
- Reduces bleeding
- Reduced segregation and increased workability
- Reduces “bug holes” and produces a more even and smoother finish
- May aid in the finishing of concrete
- Dosage rates are usually half of vinsol resin based admixtures
- More consistent and effective with fly ash and other supplementary cementitious materials
- More efficient in low-slump applications (paving)

Polychem SA

Air Entraining Admixture

DOSAGE RATES

.20 to 2.0 fl/oz/100 cementitious material. Field tests will determine the proper dosage for each set of materials (Some concrete mixtures may require higher dosage rates).

SUGGESTED SPECIFICATION

All concrete shall have an air-entraining admixture conforming to ASTM C 260 (such as **Polychem SA**) which is manufactured by General Resource Technology. Dosage rate will vary and should be verified by testing the concrete mixture prior to production. Concrete mixtures should be tested regularly during production to verify that the air content meet the technical requirements and project specifications.

WARRANTY

General Resource Technology warrants **Polychem SA** to be free from defects in materials and manufacture. GRT 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.