



Polychem 400 NC

Water Reducing Admixture

Polychem 400 NC is a normal setting, multi-component, highly concentrated, water reducing admixture conforming to ASTM C 494 Type A.

Polychem 400 NC will reduce the quantity of water required to produce concrete of a desired consistency, while providing greater economy for a given strength. It will increase strengths and improve workability and finishing characteristics.

Polychem 400 NC does not contain calcium chloride, and is compatible with air-entrained or non air-entrained mixes.

APPLICABLE STANDARDS

General Resource Technology **Polychem 400 NC** meets and will exceed the requirements of ASTM C 494, Type A CRD C 87, AASHTO M 194.

Independent laboratory tests are available upon request.

ADVANTAGES

Plastic Concrete

- Reduced mix water requirement needed to produce a given slump or consistency (reduced water/cementitious ratio)
- Reduced cracking and shrinkage
- Improved workability
- Will not retard the rate of set when used at recommended dosage rates

Hardened Concrete

- Increased compressive and flexural strengths
- Reduced cracking and shrinkage
- Reduced permeability and increased water-tightness
- Increased freeze-thaw resistance
- Superior surface appearance

DOSAGE RATES

3 to 5 oz. per 100 lbs. cementitious material.

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 benefits while using **Polychem 400 NC**.

COMPATIBILITY

Polychem 400 NC is compatible with approved air entrainment admixtures, calcium chloride, stearates and similar chemical derivatives.

Polychem 400 NC does not itself entrain air significantly.

SPECIFICATION SUGGESTIONS

All concrete shall contain **Polychem 400 NC**, ASTM C494, Type A normal setting water reducer, produced by General Resource Technology, Eagan, MN. Suggested dosage rate shall be 3-5oz. per 100 wt. of cementitious material unless otherwise recommended by General Resource Technology Technical Services.

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AVAILABILITY

Polychem 400 NC is available in bulk or 55 gallon drums.

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

WARRANTY

General Resource Technology warrants **Polychem 400 NC** 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 400NC is a polymeric blend of raw materials which have been found to be environmentally safe.

Polychem 400 NC can be used at temperatures as low as 23°F. Care should be exercised to prevent freezing below this temperature; freezing will not damage **Polychem 400 NC** if thawed and agitated.

MSDS available.