

W-30P

POWDERED SUPERPLASTICIZER / HIGH RANGE WATER REDUCER

PRODUCT DESCRIPTION: Specco W-30P powder is a superplasticizer / high range water reducing admixture formulated to produce flowable concrete with improved workability for both ready mix and precast applications. W-30P works as a superplasticizer by dispersing the cement and making the concrete temporarily more fluid (lowering viscosity), without the need for additional water. W-30P functions as a high range water reducer by reducing the amount of mix water required by up to 25%, which results in higher early and ultimate compressive strengths, and improved freeze-thaw durability. W-30P also improves the finish of precast concrete by minimizing honeycombs and segregation, while maintaining mix cohesiveness and maintaining ideal finishing characteristics. W-30P can be easily added at the jobsite to increase flowability of mixes that are too low in slump. W-30P has a white color that is beneficial for use in white, architectural precast mixes.

BENEFITS: ALLOWS FLOWABLE AND EASY PLACEMENT OF THE MIX...ALLOWS CONCRETE PLACEMENT IN HARD TO ACCESS JOBS OR HEAVILY REINFORCED AREAS...EXTENDS SLUMP RETENTION TIME... GREATLY LOWERS WATER/CEMENT RATIO UP TO 25%...ALLOWS FASTER MOLD TURNOVER FOR PRECAST APPLICATIONS DUE TO IMPROVED STRENGTH GAINS AT ALL AGES...PREMEASURED BAGS ENSURE CONSISTENT RESULTS...IMPROVES DISPERSION AND INTENSITY OF INTEGRAL COLORS...PROVIDES REDUCED SHRINKAGE AND SURFACE BLEED

COMPOSITION: Blend of melamine based sulfonate salt condensates

TECHNICAL DATA: W-30P powder is formulated to comply with ASTM C-494 Type F, AASHTO M-194, and CRD C-87 specifications for high range water reduction.

RECOMMENDED ADDITION RATES: Dosage of W-30P ranges from 5 to 10 ounces (0.31 to 0.66 lb) per 94 lb bag of cement. Typically, one 28 ounce (1.75 lb/0.79 kg) bag of W-30P is recommended for every cubic yard (cubic meter) of concrete to increase the mix slump up to 6 inches (15 centimeters) or to achieve up to 25% water reduction. The slump gain will remain in effect for approximately 30-45 minutes, and then return slowly to its original starting slump. Results can vary due to differences in the concrete materials or field conditions. These include, but are not limited to ambient and mix temperatures, cement, sand and aggregate gradation and ratio, additional admixtures in the mix, slump, water content, and temperature, mix time and mixer type, means of conveying and placing, as well as vibration method and duration. W-30P is fully effective and compatible with most all concrete admixtures, however, it is always recommended that each admixture should be added separately to the concrete mix to avoid any adverse reactions.

DIRECTIONS FOR USE / MIXING: First determine the amount of W-30P superplasticizer required for the job requirements as noted above. W-30P can be added directly to the mixed concrete by opening the pre-measured bags and dumping the contents into the rotating mixer. Let the mix rotate at high speed from 5 to 7 minutes to ensure adequate dispersion and uniformity. W-30P can also be added to improve plasticizing properties and strength gains of dry blended cement based grouts or specialty precast premixes by adding to the reduced mix water as required.

CAUTIONS: W-30P should be tested and evaluated with actual materials and blending processes to gauge overall performance and compatibility with mix components. W-30P will not effect air entrainment or final color of the concrete at the recommended dosages. W-30P will also not alter set times and will not lower strengths even if water is not reduced. W-30P should be added before any pigment additions to help disperse them more efficiently. To prevent excessive segregation of the mix, do not exceed 1.00 lb / 100 lb cement recommended dosage. The use of tight, strong forms is required for any plasticized concrete

WARNINGS: Avoid contact with skin and eyes. Wear protective clothing and safety glasses during application. Keep away from food and drink. Do not take internally. Refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

H.M.I.S. CODES: HEALTH = 1, FLAMMABILITY= 0, REACTIVITY = 0, PERSONAL PROTECTION = C (GLOVES, GOGGLES, APRON)

SHIPPING NAME: Concrete Admixture powder base - Not regulated

SHIPPING CLASS: ITEM 42130, SUB 0, LTL 50

STORAGE: Store in a dry, protected area.

PACKAGING: 28 ounce (1.75 lb /0.79 kg bags), packed 24 per case, or 25 lb net pails

SHELF LIFE: Indefinite, properly stored.

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product. Revised – 02-28-09