

AIR ENTRAIN 101P

POWDERED AIR ENTRAINING ADMIXTURE FOR CONCRETE

PRODUCT DESCRIPTION: Specco Air Entrain 101P is a prepackaged air entraining admixture powder designed to produce controlled microscopic air entrainment bubbles in concrete mixes. Air Entrain 101P can prevent the occurrence of rejected concrete loads with low air by adjusting easily on site. Air Entrain 101P will improve the workability of the concrete and provides added freeze thaw resistance, improves plasticity, cohesiveness and placement, while reducing segregation, bleeding and shrinkage of the concrete mix. Air Entrain 101P can be used across a wide range of concrete mix designs to produce the required air content with corresponding proper air void bubble size, spacing and distribution.

BENEFITS: EASILY TRANSPORTED AND DISPENSED...PREMEASURED BAGS ENSURE CONSISTENT RESULTS...REDUCES CHANCE OF CONCRETE REJECTIONS DUE TO LOW AIR...POWDERED FORMULATION WILL NOT FREEZE...ADDS FREEZE/THAW PROTECTION AGAINST SPALLING ...COMPATIBLE WITH MOST OTHER ADMIXTURES ...IMPROVES WORKABILITY AND PLACEMENT ...PROVIDES WEIGHT REDUCTION ...IMPROVES CONCRETE YIELD

COMPOSITION: Blend of neutralized vinsol resin and dispersing aids. Air Entrain 101P does not contain any calcium chloride or intentionally added chlorides that would initiate or promote corrosion of reinforcement steel, or contribute to efflorescence.

TECHNICAL DATA: Specco Air Entrain 101P complies with ASTM C-260, AASHTO M-154, and Federal SS-CRD-C-13

DIRECTIONS FOR USE: There is no "pre-set" dosage rate for Air Entrain 101P due to the amount of variables in the mix that affect air entrainment. However, by adding at one 8 ounce (227g) bag/ full load of concrete, the overall air content will typically increase in the range of 1-2%. For concrete that has no air entrainment, Air Entrain 101P can be added as shown on the chart below:

AIR CONTENT REQUIRED:	DOSAGE RATE BY RATE OF CEMENT:
5 to 7%	0.25 - 1.25 ounces / cwt cement (0.15-0.80 g/kg)
7 to 10%	1.25 - 4.00 ounces / cwt cement (0.80-2.50 g/kg)

Note- The exact quantity of Air Entrain 101P required will 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. Specco recommends a trial mix be conducted with actual production materials in order to determine the optimum dosage for specific set time or strength requirements.

MIXING: The pre-measured amount of Air Entrain 101P that is selected should be added directly to the mixer (not to the mix water) by tearing open the poly bag and dispensing into the mixer opening. Allow to mix at high speed from 5-7 minutes to ensure complete dispersion and uniformity. Once this dosage is established, frequent checks should be made during the placement of the concrete to ensure desired air entrainment levels are maintained. Air Entrain 101P can also be added to improve air entrainment properties of dry blended cement based grouts, specialty precast premixes, mortars or stucco mixes at the same dosage ratios listed above.

CAUTIONS: Air Entrain 101P is fully effective and compatible in concrete with other admixtures including calcium chloride. However, each admixture should be added separately to the concrete mix, and once added, may alter the amount of air entrainment obtained. The addition rate of Air Entrain 101P is usually increased when used in tandem with certain high range or carboxylated type superplasticizers. The addition rate of Air Entrain 101P is usually decreased when used in tandem with certain low range water reducers or retarding compounds.

CAUTIONS (Continued): Air Entrain 101P should not have any adverse effects on set times, and only small effects on strength loss due to the lighter mix density obtained. Avoid excessive vibration when using Air Entrain 101P which can decrease the resulting concrete air content and may generate increased surface defects or aggregate segregation especially in precast related work.

WARNINGS: Avoid inhalation of dust. 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 - Not regulated

SHIPPING CLASS: ITEM 42130, SUB 0, LTL50

STORAGE: Store in a dry, protected area.

SHELF LIFE: Indefinite.

PACKAGING: 8 ounce (227 gram) pre-measured heat sealed poly bags, packed 60/ case.

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 – 03-09-09