

#1915 AUGER AID® AIR ENTRAINING / WATER REDUCING ADMIXTURE

PRODUCT DESCRIPTION: Specco #1915 Auger Aid® is combination air entraining and water reducing admixture formulated primarily for mobile mix or continuous “auger” type concrete mixers. #1915 Auger Aid® complies with ASTM C-260 and AASHTO M-154 specifications for air entraining admixtures. #1915 Auger Aid® is viscosity modified for bleed water and segregation control, and contains a low range water reducer for increased compressive strength and durability of the cured concrete.

BENEFITS: PROVIDES A STABLE AIR VOID SYSTEM WITH UNIFORM BUBBLE SIZE AND SPACING... ADDED FREEZE-THAW PROTECTION...LOWER (W/C) WATER TO CEMENT RATIO...EASIER PLACEMENT AND FINISHING...SHRINKAGE CONTROL...IMPROVED RESISTANCE TO SCALING FROM DEICING SALTS

COMPOSITION: Low viscosity modified lignosulfonate based solution. #1915 Auger Aid® does not contain any calcium chloride or intentionally added chlorides that would initiate or promote corrosion of reinforcement steel, or contribute to efflorescence.

PHYSICAL PROPERTIES at 70°F (21°C):	APPROXIMATE VALUES:
Weight per gallon:	8.80 +/- 0.3
pH:	8.7 +/- 0.3
Color:	Dark brown liquid
Viscosity-Brookfield:	180 cps

TECHNICAL DATA: Specco #1915 Auger Aid® is formulated to comply with ASTM C-260 and AASHTO M-154 guidelines for air entraining agents.

DIRECTIONS FOR USE / RECOMMENDED ADDITION RATES: There is no set dosage rate for #1915 Auger Aid®; however, it is typically dosed at 8-16 ounces per 100 lbs. of cement (522-1045 ml/100 kg) for most applications to produce concrete with 4-8% air entrainment. The exact quantity of #1915 Auger Aid® required will vary due to differences in the concrete materials or pour 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. Once this dosage is established frequent checks should be made during the placement of the concrete to ensure desired air entrainment levels are maintained. The pre-measured amount of 1915 Auger Aid® selected should be added to the batch water if possible to allow maximum dispersion throughout the mix.

DIRECTIONS FOR USE IN AUGER MIXERS: Refer to Specco’s Admixture Tank Calibration sheet for required dilution and calibration of low and high flow admixture systems. Field trials have shown that adding #1915 Auger Aid® typically at a rate of 8-16 ounces per 100lbs. of cement, (522-1045 ml/100kg) can give approximately 4-8% air entrainment, along with 5-10% water reduction depending on the desired slump or consistency. As mentioned above, various additional factors such as auger RPM, auger flighting and design, auger length, and auger discharge height will all have contributing effects on the final air entrainment of the mix.

DIRECTIONS FOR USE IN PADDLE, RIBBON, OR PAN STYLE MIXERS: #1915 Auger Aid® should be added to the mix with the first half of the reduced mixing water. The recommended minimum mixing time is 90 seconds for ideal dispersion throughout the concrete mix.

CAUTIONS: Since air entrainment admixtures will increase the volume of the concrete, it is necessary to reduce the water requirement and aggregate content, to maintain the cement factor and yield. #1915 Auger Aid® is designed for use in warm to moderate weather conditions, and is not recommended for cold weather concrete pours (below 50° F) unless a separate accelerator is added to the mix for increased set time assistance. There are typically no retardation effects on finishing or final set times except in colder temperatures. #1915 Auger Aid® is fully effective and compatible in concrete with other admixtures including chloride and non-chloride based accelerators. However, each admixture should be added separately to the concrete mix, and it should be noted that any separate admixture addition may alter the amount of air entrainment obtained. The addition rate of #1915 Auger Aid® is usually increased when used in tandem with certain high range or carboxylated type superplasticizers. The addition rate of #1915 Auger Aid® is usually decreased when used in tandem with certain low range water reducers or retarding compounds. Avoid excessive vibration when using #1915 Auger Aid®, which can decrease the resulting concrete air content and may generate increased surface defects or aggregate segregation, especially in precast related work. #1915 Auger Aid® will freeze at approx. 32° F (0° C), but may be completely restored by thawing above 32° F (0° C) and thoroughly mechanically agitating before use. Do not use pressurized air for mixing or agitation. #1915 Auger Aid® should be stirred before using if the material has set for an extended period (3-6 months).

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 – Water base - Not regulated

SHIPPING CLASS: ITEM 33880, SUB 2, LTL 55

STORAGE: Ideal storage is between 60°F to 80°F. Keep from freezing.

SHELF LIFE: 1 year stored properly. Depending on storage conditions, the shelf life may be extended.

PACKAGING: 5 gallon (18.9 L) pails, 55 gallon (208 L) drums, 265 gallon (1000 L) containers.

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.

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