

RW-100

RETARDING & WATER REDUCING ADMIXTURE

PRODUCT DESCRIPTION: Specco RW-100 is a ready to use water-reducing set retarding admixture designed for extended set and placement of concrete. RW-100 facilitates placing and finishing by providing controlled retardation of the concrete set times, as well as preventing false set or early stiffening. RW-100 allows increased compressive and flexural strengths, and can be used over a wide range of temperatures by varying the dosage.

BENEFITS: CONTROLLED RATE OF SET (DEPENDING ON DOSAGE)...ALLOWS EXTENDED FINISHING TIME...IMPROVED WORKABILITY AND FINISHING CHARACTERISTICS...INCREASED STRENGTHS WITH WATER REDUCTION...DECREASED BLEEDING, SEGREGATION, AND THERMAL CRACKING... GREATER IMPERMEABILITY...INCREASED DURABILITY AND FREEZE -THAW PROTECTION.

COMPOSITION: Modified gluconate solution. RW-100 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:	9.05 +/- 0.25 lb./ gallon
pH:	8.0 +/- 0.50
Color:	Clear liquid
Viscosity –Brookfield:	80 cps +/- 20

TECHNICAL DATA: Independent laboratory test data for WR-100 is available upon request. RW-100 is formulated to comply with ASTM C-494 requirements for Type B and Type D water reducing and retarding admixtures.

DIRECTIONS FOR USE: Specco RW-100 should be added to the batch water and aggregates, never directly to the dry cement. RW-100 is typically dosed at 3-4 oz. per 100 lbs. of cement (195-260ml/100kg) for most applications. RW-100 should not come in contact with dry cement or other admixtures until they are mixed in the concrete batch. Added at this range under normal working conditions, RW-100 will typically extend the setting time of Portland cement based concrete by 1 1/2 to 6 hours, depending on the job conditions and temperatures. RW-100 contains a mid range water reducer that reduces water requirements approximately 5 to 12% depending on the dosage used. Specco recommends a field test or trial mix be run in order to determine the optimum dosage needed for set time and workability requirements. The dosage will vary with jobsite temperatures, air movement, concrete temperature and mass, mix design components, other admixtures, and wind protective measures used.

CAUTIONS: RW-100 is compatible with most other admixture types; however they should be added separately to the mix to avoid any possible chemical interaction. For example, air entraining agents based on vinsol resin and superplasticizer based on naphthalene-sulfonate are not compatible in the same admixture tank with RW-100, however; they can be added separately if needed. RW-100 does not affect air entrainment levels; however, Specco recommends that the resulting mix be checked for accuracy to stay within the desired level.

Keep from freezing. If Specco RW-100 freezes, it 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. RW-100 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° to 80° F. Keep from freezing.

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

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

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 – 03-20-09