

R-20

WATER BASED SURFACE RETARDER

DESCRIPTION: Specco R-20 is a water based concrete surface retarder used to chemically retard the set of fresh concrete surfaces. R-20 does not cause permanent retardation, but merely prolongs the set time to allow for easy removal of the retarded mortar. Use Specco R-20 when a rough bonding surface is required or to obtain an architectural exposed aggregate finish.

BENEFITS: PROVIDES A UNIFORM LAYER OF RETARDATION...SAFE AND EASY TO USE...LESS COSTLY THAN SANDBLASTING OR CHIPPING...NON-STAINING...NON-CORROSIVE...V.O.C. COMPLIANT

COMPOSITION: A proprietary solution of set retarding, water retaining chemical surfactants.

PHYSICAL DATA:	APPROXIMATE VALUES:
Color:	Brown liquid solution
Solids:	25.50%
Weight/gallon:	7.89 lb. +/- 0.1
Viscosity	40 cps +/- 5
V.O.C. levels:	294 g/L (2.45 lbs. /gal.)

TECHNICAL DATA: Contains less than 780 g/L (6.50 lbs. /gal.) volatile organic compounds. Meets Architectural Coatings Section 183(e) Final Rule Limit for concrete surface retarder.

DIRECTIONS FOR USE: As soon as the concrete has been placed and screeded, apply Specco R-20 with a low pressure sprayer at approximately 200 square feet per gallon. Do not thin R-20. Be aware that R-20 may run off a sloped area. Protect the treated surface from wind, rain and hot sun. Since the amount of retardation desired is an individual matter and the timing is subjected to many variables, it is strongly suggested to stay with the surface and remove the retarded mortar at the desired exposure level. Setting times will be influenced by air temperature, cement type and content and concrete slump. Tools may be cleaned with soap and water immediately following use.

Removal of the retarded mortar surface should be started when the concrete obtains either 1000 psi or approximately 12 to 24 hours after application. The use of a nail, pencil, or any sharp pointed object can be used to "visually" gauge the surface depth level of retardation before rinsing. When removing the paste, always begin on the oldest "finished" concrete side first if the flatwork job is large in size. Remove the retarded surface mortar with a fine water spray at low pressure, taking care not to overly rinse or disturb the aggregate surface. A stiff bristle broom or brush can also be used with light abrasion to help ease cement paste removal during the rinse process. Exposed surfaces should be cured after they have adequately dried with a cure and seal compound such as Specco Pebblesheen. The aggregate stone color can be further enhanced to a light brown shade using the Pebblesheen Merrimac Brown tinted option.

CAUTIONS: For industrial use only. Apply R-20 only to fresh concrete surfaces. Do not use R-20 during rainy or extremely hot weather. Do not apply to frozen surfaces. A test application is recommended to determine the procedure for material use. As a rule of thumb, when pouring exposed aggregate surfaces, it is necessary to use a minimum of 20% more stone than usual in the concrete mix. Do not dilute or thin.

WARNINGS: Do not use near unprotected food and drink. Provide adequate ventilation and fresh air during the application. User can refer to MSDS (Material Safety Data Sheet) for any additional information before use. KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY

HMIS SAFETY CLASSIFICATIONS: Health = 1, Fire = 0, Reactivity = 0, Personal Protection = C -Glasses, Gloves, Protective Clothing

PACKAGING: 1, 5 and 55 gallon containers

SHIPPING NAME: Concrete Retarding Compound Water-base, Not regulated

SHIPPING CLASS: ITEM 33880, SUB 2, LTL 55

STORAGE: 40° to 90° F. Keep from freezing

SHELF LIFE: 1 year 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.

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