



R-20 RETARDER

SURFACE RETARDER FOR EXPOSED AGGREGATE CONCRETE

DESCRIPTION: *R-20 Retarder* is a water-based concrete surface retarding agent used to chemically retard the set of fresh concrete surfaces. *R-20 Retarder* does not cause permanent retardation, but merely prolongs the set time to allow for easy removal of the retarded mortar. Use *R-20 Retarder* 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

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

LEED CREDIT CONSIDERATIONS: Materials and Resources: **MR Credits 5.2:** Regional materials- Greater than 20% extracted, processed and manufactured regionally at production location: Kankakee, Illinois 60901. (100% Content- Harvested within 500 miles.

PHYSICAL DATA:	APPROXIMATE VALUES:
Color:	Brown liquid solution
Solids:	25.50%
Weight/gallon:	7.89 lb. +/- 0.10
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 *R-20 Retarder* with a low-pressure sprayer at approximately 200 square feet per gallon. DO NOT THIN. Be aware that *R-20 Retarder* 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: 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 *Pebblesheen 350*. The aggregate stone color can be further enhanced to a light brown shade using the *Pebblesheen 350 Merrimac Brown* tinted option.

CAUTIONS: For industrial use only. Apply *R-20 Retarder* only to fresh concrete surfaces. Do not use *R-20 Retarder* during rainy or extremely hot weather. Do not apply to frozen surfaces.



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CAUTIONS (continued): 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.

GHS HAZARD RATINGS: WARNING:



Irritant: Respiratory Tract Irritation.

FIRST AID: Refer to product S.D.S. (Safety Data Sheet) for complete health and safety information before using this product. FOR MEDICAL EMERGENCIES ONLY –CALL INFOTRAC AT 800-535-5053.

WARNINGS & SAFETY INFORMATION: Keep containers closed. Avoid ingestion, skin and eye contact and inhalation of the spray mist. Keep away from food and drink. Wash hands thoroughly after use and before eating. Do not take internally. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

H.M.I.S. CODES: HEALTH = 2, FLAMMABILITY= 0, REACTIVITY = 0, PERSONAL PROTECTION = C (GLOVES, GOGGLES, APRON)

SHIPPING NAME: Concrete Retarder-Water base

SHIPPING CLASS: ITEM 33880, SUB 2, Freight Class 55

PACKAGING: 1 gal. (3.78L), 5 gal. (18.9 L), 55 gal. (208 L)

SHELF LIFE: 1 year properly stored @ 60° to 80° F

WARRANTY: Specco Industries Inc (Specco) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Specco, no other representations or statements made by Specco or its representatives, in writing or orally, shall alter this warranty. **SPECCO MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME.** If any Specco product fails to conform with this warranty, Specco will replace the product at no cost to Buyer. **Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.** Specco does not authorize anyone on its behalf to make any written or oral statements which in any way alter Specco's installation information or instructions in its product literature or on its packaging labels. **Specco explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through Specco. Specco has no control over Specco application standards adherence, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any Specco products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of Specco's products for the Buyer's intended purposes.** Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind.

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