

CONCRETECH

Set Retarder SR-PA

PRODUCT DESCRIPTION

Set Retarder SR-PA is a fast drying concrete surface retarder that effectively delays the set time of both vertical and horizontal concrete surfaces. It is applied to freshly placed concrete to retard hydration reaction of surface cement of approximately 1/4 " thickness for up to 24 hours to create an exposed aggregate surface. Set Retarder SR-PA has no effect to the color or sheen.

USES

Set Retarder SR-PA is used on vertical and horizontal surfaces. For horizontal surfaces, Set Retarder SR-PA can be applied directly to freshly poured and trowelled concrete. For vertical surfaces, Set Retarder can be applied to forming materials made of wood, steel or plastic.

PACKAGING

Set Retarder SR-PA is available in One Gallon and Five Gallon plastic containers.

LIMITATIONS

Retarding time may vary with temperature, humidity and concrete matrix. Concrete accelerators will inhibit the retarding. 10-20% by volume water may be added to decrease the retarding action for horizontal surfaces. Set Retarder SR-PA is more effective when water is added. Do not apply retarder when rain is anticipated within 12 hours of application, and when temperature is below 0 °C (32°F) and above 25 °C (77°F). For both horizontal and vertical applications, always conduct a test. Compressive strength prior to water flushing should be between 1,000 and 1,500 psi (6.89 and 10.34 MPa). Using Set Retarder SR-PA will not prevent the ultimate hardening of concrete, but will only delay the set time.

INSTALLATION INSTRUCTIONS

For horizontal surfaces, place the concrete first; stir and apply Set Retarder SR-PA just after the surface water disappears. Set Retarder SR-PA can be brushed, rolled or sprayed with low-pressure sprayer. Protect the surface from wind, rain or overhead sun. Start to wash the surface after 12 to 24 hours when the concrete is hard enough. If the retarded depth is excessive let the concrete cure for several more hours. Retardation time is subject to many variables. Check the set retarder at different time intervals to satisfy the personal preference.

Wash the surface with water broom or a stiff broom and hose. Do not leave material on the surface. For vertical concrete surfaces, do not dilute Set Retarder SR-PA. Stir and then spray Set Retarder SR-PA to vertical surface of the forms and allow to dry before concrete is poured into the forms. For porous and absorbent surfaces like plywood, a coat of diesel oil can be applied first then let it dry to stop the retarder from penetrating. It usually takes 20 minutes to dry, but it may vary depending on the weather conditions. When the concrete has set, open the forms and hose off the surface to remove retarded surface material to reveal the exposed aggregate. Apply Concretech Acrylic Sealer CS-15 Cure & Seal to the exposed surface. Where a wet look surface is desired, apply Concretech Acrylic Sealer CS-25 28 days after placement. See Concretech Acrylic Sealers for more information. Proper pumping or suitable absorbent material can collect spills. For additional information regarding handling and disposal, please refer to MSDS of this product. Keep the product from freezing. It should be stored at temperatures between 5°C – 20 °C.

PROPERTIES

As Supplied	
Appearance	Green Clear Liquid
Odor	Alcoholic Odor
PH	10.5
Specific Gravity	1.005 g/cm ³
Application Rate	100-200 sq. ft. / gal

TECHNICAL SERVICES

Complete technical information is available from Concretech Inc. and its authorized applicators and distributors. In house laboratory testing is available for specialty applications. Technical services available in North America call toll free 1.888.503.6780

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