

SELECTION & SPECIFICATION DATA

Generic Type	Non-chloride accelerating admixture
Description	Plasite 130 is an accelerating, non-chloride admixture for cement that accelerates hydration resulting in reduced setting times allowing topcoating with both Plasite vinyl esters and epoxy systems within as few as 24 hours. Plasite 130 may be used as an accelerator in new concrete pours or when mixed with water, sand and cement as a patching, grouting or restoration material for old concrete. FOR INDUSTRIAL USE ONLY!
Features	<ul style="list-style-type: none"> • Non-corrosive to steel embedments • Reduces job delays • Economical and easy to use • Increases strength at early ages.
Color	Amber
Finish	N/A
Solid(s) Content	48.5 +/-2%
Theoretical Coverage Rates	<p>One gallon of Plasite 130 (as supplied) mixed 7 to 1 and using by volume, 2 masonry sand to 1 cement, will cover approximately 120 to 130 sq. ft. at 1/2" thickness.</p> <p>Note: This coverage does not include the bond coat.</p>
VOC Values	As Supplied : 0 (calculated EPA Method 24)
Topcoats	<p>Prior to topcoating, surface must be thoroughly dried. A whip blast to remove surface laitance is also required before topcoating with Plasite's epoxy or vinyl ester systems. Before topcoating, curing conditions should be 70 °F at 24 hours, 60 °F at 36 hours or 50 °F at 48 hours. When conditions are under 50 °F, consult Carboline Technical Service Department for topcoating requirements.</p> <p>Note: This product does not protect mortar from freezing. This product will allow the mortar to gain strength at a faster rate in cold weather. The mortar or concrete must be kept from freezing.</p>

MIXING & THINNING

Mixing

For repairing concrete at temperatures from 50 to 80 °F, Plasite 130 is mixed 7 parts water to 1 part Plasite 130 by volume. For temperatures above 80 °F, 14 parts water to 1 part Plasite 130 is used. When used in applications for concrete pours where it is added directly to the concrete truck, Plasite 130 can be added undiluted at a ratio of 14 gallons water for every gallon of Plasite 130. **IMPORTANT!** Use only fresh Portland cement (Type 1).

To check for fresh cement, take a small amount of cement and add undiluted Plasite 130 until you have a stiff putty-like consistency. Form the putty into a ball. If the cement is fresh, the ball will gradually get warmer and in 5 minutes should be hot and begin to harden. If this reaction does not take place, do not use the cement.

Premix 1 part Plasite 130 and 7 parts water by volume in a large container. (For temperatures above 80 °F, use 1 part Plasite 130 and 14 parts water.) Use only this solution for the water going into the concrete.

Note: Use concrete sand or masonry sand. Stone should be clean and washed. Size will depend on depth of pour. (Use of stone is optional.) For applications from ¼" to 2", no pea gravel is required. For applications over 2", 2 parts pea gravel must be added.

Ratio of cement to sand should be 1:2 by volume. Add stone (if used) and sand to mixer and mix thoroughly. Then add cement and continue mixing. Slowly add Plasite 130 water solution until you obtain a workable mixture. **BOND COAT** When using Plasite 130 for restoration, a bond coat is required. For applications less than 1/2", use Semstone 110 epoxy bonding agent. For applications greater than 1/2", Semstone 110 or a Plasite 130 cement slurry coat is used. **SEMSTONE 110 EPOXY BOND COAT** The Semstone 110 epoxy is supplied in two separate containers, Part A and B, at a ratio of 2:1 by volume. Add 1 part Part B, curing agent, by volume to 2 parts Part A, coating, by volume and mix thoroughly. By brush or roller application, apply 6 to 10 mils to existing concrete. Semstone 110 must be overcoated before it becomes tack-free. See data sheet for specific details.

PLASITE 130 CEMENT BOND COAT Fresh Portland cement (Type 1) is required (see Mixing/ Application). Presoak the existing concrete with water a minimum of 30 minutes. Remove all standing water. Mix a solution of 7 parts water to 1 part Plasite 130. Wet the surface with the Plasite 130 water premixed solution. Broadcast fresh Portland cement (Type 1) onto the wetted surface and scrub in with a stiff bristle brush to produce a slurry-like consistency. During this procedure, you may add more Plasite 130 solution or cement to achieve results. The Plasite 130 modified concrete must be placed immediately over the wet slurry coat. Limit bond coat to area that can be topcoated before bond coat dries.

READY MIX TRUCK CONCRETE Planning the use of Plasite 130 in a ready mix truck requires prejob planning between the ready mix supplier and the concrete contractor/finishers. Discuss mix design with concrete batcher. Add any air- entraining admixtures or water reducing retarders prior to the Plasite 130. Make certain when adding Plasite 130 to concrete truck at jobsite that the equivalent amount of water has been reduced by the ready mix supplier. Typical air entrained concrete mixes with water reduced and replaced with Plasite 130: Approximately 1 yard. This is required for complete mixing in truck. The contractor must be aware that the Plasite 130 will require shorter residence times. When the contractor is ready, add the required amount of Plasite 130. Turn 50 high speed revolutions. Place and finish. The modified concrete will set up quickly. It's important to have the proper number of finishers. Immediately place plastic tightly over the concrete. Do not allow air between plastic and concrete.

Note: Plasite 130 will not effect slump when used in place of water. Limit size of the ready mix truck to 7 yards or less.

Thinning | not recommended

APPLICATION PROCEDURES

General	<p>Place prepared concrete mixture using enough pressure to force the concrete into all air holes and gaps. Finish as desired. Note: Bond coat must remain wet before placing concrete. Immediately cover with plastic or wet burlap. Burlap must be kept damp (do not flood). Remove cover in 16 hours. Allow surface to dry for a minimum of 8 additional hours before topcoating. Follow topcoating surface preparation requirement.</p> <p>TOPCOATING Prior to topcoating, surface must be thoroughly dried. A whip blast to remove surface laitance is also required before topcoating with Plasite's epoxy or vinyl ester systems. Before topcoating, curing conditions should be 70 °F at 24 hours, 60 °F at 36 hours or 50 °F at 48 hours. When conditions are under 50 °F, consult Carboline Technical Service Department for topcoating requirements.</p> <p>Important: Do not allow bond coat to dry. Area may be dampened with Plasite 130 water solution if it begins to dry. Note: This product does not protect mortar from freezing. This product will allow the mortar to gain strength at a faster rate in cold weather. The mortar or concrete must be kept from freezing.</p>
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CURING SCHEDULE

Surface Temp.	Maximum Recoat	Tack Free As Supplied
50°F (10°C)	4 Days	30 Hours
70°F (21°C)	3 Days	10 Hours
80°F (27°C)	48 Hours	10 Hours
95°F (35°C)	24 Hours	8 Hours

CLEANUP & SAFETY

Cleanup	Use water. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
Safety	Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Keep container closed when not in use.

PACKAGING, HANDLING & STORAGE

Shelf Life	2 years
Storage Temperature & Humidity	Plasite 130 will freeze. Freezing and thawing is not harmful. Material must be brought to 50 °F or higher and agitated prior to use. Minimum temperature for usage is 50 °F.
Storage	Store indoors
Shipping Weight (Approximate)	1 gal - 12.2 lbs 5 gal = 63 lbs 55 gal = 713 lbs
Flash Point (Setaflash)	n/a

WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.