

HY-SPEED™ 500

Instant Concrete In A Can



DESCRIPTION

Hy-Speed™ 500 is a new development in the field of fast-setting, high strength cements for resurfacing and patching concrete, bituminous, and brick surfaces. This select formulation of cementitious binders is specifically designed to provide properties not previously found in Portland cement concrete, metallic compounds or other proprietary concrete repair materials. HY- SPEED™ 500 cures to a strength exceeding 3 times that of concrete.

USES

Hy-Speed™ 500 is used to patch and repair all traffic bearing concrete and bituminous surfaces wherever a fast setting, non- shrink, pourable patching and grouting compound is required. Hy-Speed™ 500 can be used on industrial floors, airport runways, aprons, highways, toll plazas, bridge decks, parking lots, driveways, and recreational areas.

PRODUCT ADVANTAGES

- Fast setting.
- High strength.
- Self-leveling.
- No priming.
- No troweling.
- Traffic ready in 1 hour.

YIELD/COVERAGE

- 5 gallons covers approximately 5 sq. ft. at 1 inch

PACKAGING

- 5-gallon pail

SURFACE PREPARATION

Cut back damaged area to sound pavement. Use a vertical saw cut or a slight undercut to a minimum depth of 2" to 4" for heavy traffic bearing surfaces. Break up entire material within saw cut and clean out all loose material, grease or debris. Dampen area slightly but do not leave standing water. Garon DRI-PREP™ (Item #13910) is available as a safe, easy- to-use alternative to muriatic acid for concrete surface etching and cleaning.

Concrete Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds, preparation bond inhibiting impregnations, waxes and any

Typical Technical Data For Hy-Speed™ 500 (Product and curing conditions at 73°F and 50% R.H.)	
Storage Conditions	Store dry at 40°-95°F. Condition material to 65°-75°F before using.
Shelf Life	1 year
Set Time	Initial set: 20 minutes Final set: 1 hour
Fast Strength Gain	2,800 psi: 1 hour 6,500 psi: 1 day 10,000 psi: 28 days

other Contaminants. All projections, rough spots, trowel marks (fins), etc. should be removed prior to coating to achieve a level surface prior to application. Clean and prepare concrete to achieve a laitance and contaminant free, open textured surface by shot blasting or use of other equivalent mechanical means per the International Concrete Repair Institute's (ICRI) 03732 Guide- lines, Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays, CSP 1-9. Refer to Garon's Master Surface Preparation Guideline and Joint Guideline for complete details.

WOOD & STEEL SURFACE PREPARATION

For wooden surfaces, power sand then sweep or vacuum. Use sand blasting where possible for optimum results on steel.

MOISTURE

Conduct quantitative anhydrous calcium chloride testing in accordance with ASTM- F1869. Maximum acceptable test result is 3 pounds per 1,000 sq. ft. per 24 hours.

Determine the surface moisture content by using an impedance moisture meter designed for use on concrete as detailed in ASTM E-1907. Acceptable test results shall be 4% by mass or less. See Garon's Moisture Guideline for additional information or contact Garon Products, Inc. if results are over 4% for assistance in selecting the proper Garon vapor barrier for your project.

NOTE: Temperature and humidity are major factors in determining cure time. Typically, cure times can double with each 10°F drop in temperature. Cure times can re- duce by half with each 10°F increase in temperature.

MIXING AREA

Select a suitable mix area and protect the floor surface from accidental resin spillage with a layer of cardboard and/or plastic sheet. Provide enough space for free unimpeded movement for mixing activity. The more comfortable your surroundings in the mix area, the less likely your mixers are to have an error. Have all necessary tools ready: slow speed drills, mix and measure containers, etc. *Do Not Start Mixing Materials Until Ready For Immediate Use.* Once material is finished being mixed, it must be used immediately. Prior to mixing apply masking tape wherever coating is intended to stop. Keyed edges must be installed at edge termination points to protect the material from chipping damage and to obtain a clean, straight edge.

MIXING

Mix only the amount of material that can be placed in 5 to 10 minutes. Mixing ratio is 1 1/4 gallons of water to 50 pounds of Hy-Speed™ 500. To assure proper mixing, it is recommended that the required water be added to the mixer first. Start the mixer and then add Hy-Speed™ 500. Mix for 4 to 5 minutes. Do not retemper once material has started to set or the mix will be spoiled. If too much water is added at first, promptly mix in more Hy-Speed™ 500 to restore the proper consistency. After mixing, discharge material immediately and flush mixer with clean water. Use only potable water for mixing.

APPLICATION & PLACEMENT

Pour Hy-Speed™ 500 into prepared hole.

SHALLOW PAVING AND RESURFACING:

When applied in thickness of less than 2",

it is recommended that Thinsset™ bonding liquid be used as a replacement for water used in the mix with Hy-Speed™ 500. This will permit featheredge application of Hy-Speed™ 500 for light traffic areas. Use Treflite™ for heavy traffic areas where thin application is required.

SLIP & FALL HAZARDS

Ensure cured coating surface remains dry in pedestrian, equipment and vehicular areas to avoid slips and falls of people, equipment and vehicles. Use caution when coating is wet or when oil, hydraulic fluids, grease or other chemicals, fluids or agents that may produce a slick surface are present. Increase slip resistance by broadcasting an appropriate size aggregate into the wet coating during application in all areas where enhanced coating traction may be necessary. Be aware of the full cure time. Do not open the area to normal service, harsh industrial chemical or abusive use before the coating is fully cured.

FIRST AID

If ingested do not induce vomiting and get prompt medical attention. Skin contact- wash thoroughly with soap & water. If any product gets into the eye, rinse immediately and repeatedly with water for at least 15 minutes. For

respiratory problems, remove person to fresh air.

Wash clothing before re-use. Dust may cause skin or eye irritation. Wear gloves, eye and nuisance protection. Consult SDS.

CLEAN UP

Contain spills. Ventilate area. Use absorbent materials to collect. Dispose of according to local, state, federal regulations. Mixed components—uncured material can be removed with an approved xylene or keytone solvent. Cured material must be removed by mechanical means.

Contains portland cement. Dust may cause skin or eye irritation. Wear gloves, eye and nuisance protection.

LIMITATIONS

The user is responsible for proper application. Garon personnel field visits are for the purpose of providing technical assistance only and are not for providing quality control or supervision on the jobsite. Minimum ambient and surface temperatures at 45°F and rising at time of application.

DISCLAIMER

The information and recommendations set forth in this document are based upon tests conducted by or on behalf of Garon Products, Inc. Such recommendations and information set

forth herein are subject to change and pertain to the product(s) offered at the time of publication. Published technical data and instructions are subject to change without notice. Consult www.garonproducts.com or call 800-631-5380 to obtain the most recent Product Data, SDS and Application instructions. This is not a controlled document.

KEEP OUT OF REACH OF CHILDREN

Keep container tightly closed. Not for internal consumption--consult MSDS for additional information. This product is for professional use only.

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