

**SPECIFICATION FOR THE
LIQUID COATING
OF INDUSTRIAL FIBER CEMENT
BOARD (TRANSITE®)
USING
T-B-C®
TRANSITE BARRIER
COMPOUND**

Prepared by:

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Notice:

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of T-B-C are beyond our control. Neither Fiberlock Technologies, Inc. nor its agents shall be responsible for the use or results of use of this specification or any procedures or apparatus mentioned. The representations of this specification must be viewed as the minimum in conformance. All existing, applicable Occupation Safety and Health Administration (OSHA) federal, state and local regulations should supersede these recommendations.

PART 1 - GENERAL:

1.1 Work Included:

- 1.11 The purpose of this specification is to cover proper application of T-B-C® over asbestos containing Industrial Fiber Cement Board (Transite®).

PART 2 - PRODUCTS:

2.1 MATERIALS:

2.11 Surface Preparation Products:

1. Powerstone™ Plus - Transite Penetrating Conditioner (Product #5489 Clear)

2.12 Liquid Coatings:

1. T-B-C Transite Barrier Compound™ (Product # 6497 White)

2.2 ENCAPSULANT PRODUCT REQUIREMENTS:

2.21 T-B-C has the following characteristics:

1. Non-toxic, water-based liquid.
2. Coverage: 100 sq. ft./gal. (depending on the porosity of the substrate).
3. Flash point: tag closed cup, non-combustible (water based).
4. Dry Time (varies with temperature, humidity, and film thickness):
To touch @ 77°F: 1-2 hours. Recoat: 8-16 hours. Full cure: 7- 15 days.
5. Shelf Life: @ 77°F, 36 months minimum, (in original factory sealed containers).
6. Odor: Virtually odorless.
7. Solids by weight: 53 +/-2%.
8. Viscosity @ 77°F: 120 Krebs Units.
9. Weight per gallon at 77°F: 9.1 lbs.
10. Volatile: Water.

2.22 T-B-C is Class “A” fire rated by David Litter Laboratories, New York, NY.

2.3 MATERIAL PREPARATION:

2.31 Stir Powerstone and T-B-C thoroughly before applying.

2.32 Do not thin T-B-C.

PART 3 - EXECUTION:

3.1 PRE-WORK INSPECTION:

1. Examine all surfaces and calculate the surface area to be coated while accounting for the corrugation. Refer to all existing local, state and federal guidelines in effect prior to commencement of work.

PART 4 - SURFACE PREPARATION:

- 4.1 Do not proceed with the installation of the coating system without first inspecting all surfaces to insure they are clean, dry and in sound condition.

PART 5 - APPLICATION PROCEDURES:

- 5.1 Apply Fiberlock Powerstone only on dry surfaces. To insure maximum penetration on Transite, apply Powerstone at a coverage rate of 125 sq. ft. per gallon. When applying Powerstone with an airless sprayer, thin sparingly with aromatic Naphtha only. Equipment should be immediately cleaned with Xylol after application is completed. Allow Powerstone to dry a minimum of 4 hours before applying T-B-C.
- 5.2 Apply T-B-C full strength at an application rate of 100 sq. ft. per gallon. As a general rule, when T-B-C is uniformly applied to a slightly porous surface at a spread rate of 100 sq. ft. per gallon, a dry film thickness of approximately 7 mils will be achieved. Use a wet-film thickness gauge periodically on representative surfaces to ascertain whether T-B-C has been applied at the proper film thickness (T-B-C will dry to approximately half the wet film thickness). Clean all equipment with soap and water before coating dries.

PART 6 - METHODS OF APPLICATION:

- 6.1 Powerstone and T-B-C are specifically formulated for airless spray application.

Typical settings for airless spray equipment:

Product Name	(Reversible) Tip Orifice Size	Tip Fan Size	Operating Air Pressure	Airless Hose ID	Pump G.P.M.	Hose Length
T-B-C	0.023" to 0.031"	521	2500 - 2700 psi.	1/4"	0.50 (min.)	50' - 100'
Powerstone	0.011" to 0.013"	Proper settings vary from machine to machine because too much pressure will cause the material to precipitate (dry before contacting the substrate).				

Method of Spraying: For best results, apply both products in sweeping strokes always keeping the gun tip parallel to the surface at a distance from 8 to 16 inches. Apply evenly and uniformly to all corrugated surfaces. The speed at which the product is applied depends on the system used. Normally a slow to moderate sweeping stroke of initially horizontal, followed by vertical passes will provide the desired results. When Powerstone is sprayed, thin only with aromatic Naphtha, or material will precipitate and cobweb while spraying. Equipment should be immediately cleaned with Xylol after application is completed.

PART 7 - JOB CONDITIONS:

- 7.1 Apply Powerstone and T-B-C only under the following prevailing conditions:
- Powerstone at air and surface temperatures above 50°F. T-B-C at 38°F.
 - Prevent wide variations of temperature which might result in condensation on freshly encapsulated surfaces. Do not apply to weather exposed areas if rain is likely or imminent within three hours of last application.
- 7.2 Protect surfaces not to be coated.

PART 8 - DRYING TIME:

Note: The dry time will vary with temperature, humidity, and film thickness. Do not apply Powerstone or at temperatures below 50°F. Do not apply T-B-C at temperatures below 38°F.

- 8.1 The length of time necessary for Powerstone to dry at 77°F and 50% relative humidity:
- 8.11 Touch: 30 minutes
 - 8.12 Re-coat with T-B-C: 4 hours
- 8.2 The length of time necessary for T-B-C to dry at 77°F and 50% relative humidity:

- 8.21 Touch: 1 - 2 hours
- 8.22 Re-coat: 8 - 16 hours
- 8.23 Full cure: 12 - 24 days

PART 9 - CLEAN UP:

- 9.1 Clean tools and drippings with before coatings dry. Dispose of all waste according to all existing local, state and federal regulations.

PART 10 - LIMITED WARRANTY

Fiberlock Technologies, Inc. warrants the following to the property owner for a period of ten (10) years from the date of application of Powerstone and T-B-C Transite Barrier Compound provided it is applied by a Factory Trained Applicator according to label directions and the written instructions described in this Specification. The warranty described herein is subject to the following limitations: Resistance to peeling and blistering - this coating system will resist peeling from properly prepared surfaces; Resistance to excessive chalking - this coating system will not chalk so as to noticeably stain brick, glass, trim or other surfaces below; Washability - normal dirt can be removed using proper approved cleaning materials; and Durability - the properly cured film of this coating system will not erode and expose the asbestos-containing materials to the environment ("Covered Defects"). This limited warranty is given to the property owner only and may not be relied upon by any other person or entity. The property owner may not assign this limited warranty.

It shall be the responsibility of the property owner to ensure that the applicator shall apply the T-B-C Transite Barrier Compound and Powerstone of this coating system consistent with this Specification and other instructions provided by Fiberlock Technologies, Inc. The property owner shall inspect the coated surfaces following installation and shall repair damage thereto in accordance with this Specification. This limited warranty does not extend to otherwise Covered Defects that relate to improper application of this coating system; improperly inspected and/or prepared surfaces; breakdown or decomposition of the underlying substrate and/or previously applied coatings not manufactured by Fiberlock Technologies, Inc.; exposure to harmful solids, liquids or gases; application on movable or flexible surfaces; structural defects or failures; undercutting rust or other corrosion that destabilizes existing coatings and is unaddressed by surface preparation; settlement or movement of the substrate; improper installation or maintenance, misuse, scratching, excessive abrasion, alteration, acts of God, unusual weather or other conditions, vandalism, negligence, or any other cause beyond Fiberlock Technologies' control. Chalking and color changes within normal limits shall not be considered a covered defect. This limited warranty does not extend to otherwise covered defects that relate to the use or application of any patches, fillers, undercoats or topcoats not recommended by Fiberlock Technologies, Inc., in this written Specification or other instructions provided, whether applied prior, concurrently with, or after the application of the coating system.

If more than one (1) percent of the area of the encapsulated surfaces on a particular property abated with this coating system requires reapplication due to a Covered Defect at any one time during the warranty period, Fiberlock Technologies, Inc., sole liability shall be at its option to provide, at its own expense, either sufficient replacement products to recoat the affected area, or to refund the purchase price paid only to recoat the area in question. Notice of a warranty claim must be mailed by United States certified mail, return receipt requested, to the attention of the Manager for Technical Sales & Compliance, 150 Dascomb Road, Andover, MA 01810 (or other such address that may be designated by Fiberlock Technologies, Inc.), within 14 days after the property owner has actual or constructive notice of any such Covered Defect. All claims must be received during the warranty period. This warranty is given as the sole remedy in lieu of all other warranties, expressed or implied, including, without limitation, warranties of merchantability and fitness for a particular purpose and any warranty on the product container labels or any other Fiberlock Technologies' literature, including, without limitation, any sales bulletins, all of which warranties are expressly disclaimed. Fiberlock Technologies, Inc., shall not be held liable for any incidental, consequential or special damages arising out of the application or use of this coating system, except to the extent that such limitation is prohibited by applicable law.

This warranty shall not be extended by the replacement of the system under this warranty; the remaining warranty period shall continue in effect and be applicable to the re-coated areas under conditions of and for the term of the original warranty.

Some states do not allow the exclusion or limitation of incidental, consequential or special damages, or implied warranties. The above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

PART 11 - APPLICABLE REFERENCE DOCUMENTS:

- 10.1 The Environmental Protection Agency (EPA), through the office of Pesticides and Toxic Substances has issued reports headed: "Guidance for Controlling Friable Asbestos Containing Building Materials," EPA 560/5 85-024, June 1995, and "Managing Asbestos In-Place, A Building Owner's Guide to Operations and Maintenance Programs for Asbestos-Containing Materials," 20T-2003, July 1990, containing the proper data, cautions, and procedures for asbestos control. Copies are available from Environmental Assistance Division, TS-799, TSCA Assistance Information Service, U.S. EPA, 401 M Street SW, Washington, DC 20460, 202-554-1404.
- 10.2 All applicable state and local regulations in effect at the time.

PART 12 - IMPORTANT INFORMATION:

- 11.1 The effective coating system for any abatement project is contingent upon the competence of the applicator.
- 11.2 If coated surfaces are damaged, repair and re-encapsulate them immediately to prevent exposure to the asbestos hazard.
- 11.3 This specification does not fully describe all the limitations, warnings and precautions related to the product described herein.
- 11.4 Reference should be made to the Product Data sheets for complete technical information. on all products manufactured by Fiberlock Technologies, Inc.
- 11.5 Material Safety Data Sheets (MSDS) should be referred to for health and safety information.

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