



# TECHNICAL DATA SHEET

## LUSTER SEAL® WB 150, WB STD, WB 300 Non-Yellowing Water Based Concrete Cure and Seal

03390

CONCRETE CURING/SEALING  
CONCRETE

TAMMS INDUSTRIES  
MARCH 2002 (Replaces 8/01)

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- DESCRIPTION:** LUSTER SEAL WB is a water based curing and sealing compound. It is resistant to yellowing from sunlight exposure, VOC compliant, non-flammable and ready to use. When used as a curing compound LUSTER SEAL WB helps control hydration of the cement by preventing rapid loss of moisture through the surface of newly placed concrete. As a sealer on concrete, exposed aggregate concrete, and other decorative concretes, LUSTER SEAL WB is designed to protect and give a "wet look". LUSTER SEAL WB is available in three formulations, LUSTER SEAL WB 150, WB Standard, and WB 300.
- USES:** LUSTER SEAL WB is used exterior and interior on most horizontal and vertical concrete and masonry surfaces. Typically, applications include stamped concrete driveways, patios, garages and commercial buildings. Its low odor makes it ideal for indoor applications in offices, hospitals and schools. It offers outstanding resistance to dirt and attack by air pollutants.

tralized prior to application. **Freshly Placed Concrete:** Horizontal surface must be finished and show no surface "sheen" from the moisture. The surface must be able to withstand walking workmen.

- MIXING INSTRUCTIONS:** LUSTER SEAL WB normally requires no mixing. If required, use slow speed mixing without aeration.
- APPLICATION TECHNIQUES:** Apply LUSTER SEAL WB in a uniform, continuous film by sprayer, short napped roller, brush, or push broom. **Freshly Placed Concrete:** Apply a full, even coat of LUSTER SEAL WB ensuring complete and uniform coverage of the surface. Use an applicator or roller to pick up puddles or excess material from the surface. A second coat may be applied depending upon the desired surface gloss. A delay of 24 hours is recommended before application of the second coat. If the delay between the first and second coat results in the contamination of the surface, the surface must be thoroughly cleaned before the application of the second coat. **Existing Concrete:** Apply a full, even coat of LUSTER SEAL WB using a sprayer, roller, brush, or broom. A second coat may be applied as soon as the first coat has dried (2-4 hours at 75°F). The surface porosity and the amount of surface sheen desired determines the selection of material for the second coat. The coated concrete can usually be opened to foot traffic in 8-12 hours, with maximum surface hardness developed within 7-10 days. A light maintenance coat is recommended every 1-2 years depending on usage.

| Material Properties at 75°F. 50% RH   |           |             |             |
|---|-----------|-------------|-------------|
| LUSTER SEAL   |           |             |             |
|   | WB 150    | WB STD      | WB 300      |
| Viscosity (cps)   | 5-15      | 25-50       | 40-100      |
| Initial Dry Time  | 1 hour    | 1 hour      | 1 hour      |
| Recoat Time (hrs)   | 2-4       | 2-4         | 2-4         |
| Abrasion Resistance   |           | .012 gms    | .010 gms    |
| CS-17, Wheel  |           | weight loss | weight loss |
| 1000 gms/1000 cycles  |           |             |             |
| Gloss (1-2 Coats)   | Low Sheen | Med. Sheen  | Glossy      |
| Compliance: Meets National AIM VOC Regulations, ASTM C309, Type 1, Class A & B, WB 300 meets ASTM C1315 Type I, AASHTO M148 Type I USDA |           |             |             |

- SURFACE PREPARATION: Existing Concrete/ Exposed Aggregate:** Surface must be structurally sound, clean, free of dust, dirt, laitance, efflorescence, curing compound, paint, oil, grease and other contaminants. Prior to application, surface defects, voids, cracks and joints should be properly treated and repaired. Concrete may be damp, but must be free of standing water. If acid has been used to clean the surface, neutralize the surface prior to using LUSTER SEAL WB. Always test surface pH to insure all acid has been neu-

- COVERAGE:** The following coverage rates are approximate and for estimating purposes only. Make test applications on actual surfaces to determine exact coverage rates. Additional coats can be used to alter gloss or appearance.

| APPLICATION                    | LUSTER SEAL WB<br>(1st Coat)<br>Sq. Ft./Gal. |         |         |
|--------------------------------|--|---------|---------|
|                                | 150  | STD.    | 300     |
| CURE/SEAL<br>NEW CONCRETE      | 150-200                                      | 200-300 | 300-400 |
| SEAL/DUSTPROOF<br>OLD CONCRETE | 200-250                                      | 200-300 | 300-400 |

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7. **CLEAN-UP:** Clean up tools and equipment with water or a blend of water/butyl cellosolve. Dried sealer is very difficult to remove.
8. **CAUTIONS:** Before applying the sealer to the entire surface, test small area to verify sealers appearance and penetration ability. Do not use on glazed, very dense surfaces or over ceramics. Applications which result in excess material on the concrete surface may result in an uneven, "splotchy" appearance after cure. High humidity conditions and very hot/windy days will adversely affect drying and performance of the sealer. Do not apply if rain or heavy fog is likely within 8 - 12 hours after application. The sealer is not intended to seal floors exposed to underground water. Do not apply LUSTER SEAL WB to frost filled or frozen surfaces. The sealer may darken the surface and may highlight surface imperfections. Store between 50°F and 90°F. Do not allow to freeze. Use adequate ventilation during application and cure. Do not apply below 45°F.
9. **PACKAGING:** LUSTER SEAL WB is available in 1 gal, 5 gal and 55 containers.  
**Storage:** 50 - 90°F. Protect from freezing.  
**Shelf-Life:** 1 year, in protected storage.
10. **ENVIRONMENTAL & SAFETY: FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN AND ANIMALS.** Avoid breathing vapor or mist, wear eye protection and gloves, use with adequate ventilation. In case of eye contact, flood eyes with copious amounts of water. See physician immediately. If ingested, call physician. Protect shrubbery, plants and grass during application. Read product Material Safety Data Sheet before using. **EMERGENCY RESPONSE: PHONE (800) 862-2667 OR CHEMTREC AT (800) 424-9300.**
11. **TECHNICAL SERVICE:** For application procedures or surface conditions not specified above, please contact:

TAMMS INDUSTRIES  
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