

SealBoss Coating HD-Traffic SFTM

Heavy Duty Solvent Free Aromatic Polyurethane Membrane

DESCRIPTION

SealBoss Coating HD-Traffic SF vehicular deck system is a liquid applied, high solids, moisture cured waterproof system. The system utilizes an epoxy primer and one easy to use high tensile, solvent free, aromatic urethane with a catalyst. This low odor coating is specifically designed to be tough and durable enough to withstand vehicular traffic. It is an elastomeric system designed to expand and contract with normal structural movements. The three coat application is user friendly and saves time and labor. The system protects surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on vehicular traffic decks. It will not soften in heat nor embrittle in cold. Installed and maintained properly, the ensure years service.

FEATURES

- Very Low Odor
- Solvent Free
- Good Weatherability
- High Durability

TYPICAL USES

- Heavy Auto Traffic
- Heavy Pedestrian Traffic
- Parking Structures
- Concrete Decks
- Helicopter Pads
- Warehouses

COLOR

Stone Grey

Custom colors are available for a minimum order of 250 gallons (1000 liters). See color chart for special provisions.

PACKAGING

Containers: 5 gallon (19 liter) pail with 1/2 pint (0.24 liter) can of catalyst. 55 gallon (208 liter) drums with 1 quart (0.95 liter) can of catalyst. Catalyst provided separately for increased shelf life and faster reaction times.

MIXING

Before the application, mix **SealBoss Coating HD-Traffic SF** using a mechanical mixer (Jiffy Mixer) at slow speeds. Add **HD-Traffic SF** Catalyst and continue mixing until a homogeneous mixture and color is obtained. **HD-Traffic SF** may also be mixed by hand but should be agitated for at least 5 minutes. Use caution not to whip too much air into the material as this may result in pinhole blisters and shortened pot life.

APPLICATION

It is recommended to use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care is advised to not create any additional air bubbles.

HD-Traffic SF shall be applied evenly over the entire surface. Application should be continuous to ensure a smooth and level coat with no lines or streaks showing. Allow coating to cure a minimum of 16 hours before proceeding with subsequent coats. To obtain design

adhesion strength between coats it is important to apply coats within 48 hours of each other.

CURING

At 70F (21C) and 50% relative humidity, allow each coat to cure a minimum of 16 hours before applying subsequent coats. Allow 6-8 hours of cure time for accelerated material. Should have more than 48 hours passed after the last application, it is recommended to apply the appropriate WEBAC Primer before re-coating. At 70F (21C) and 50% relative humidity, allow 24-36 hours before permitting light pedestrian traffic and at least 72-96 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

The cure time and pot life of **SealBoss Coating HD-Traffic SF** is affected by heat and moisture as follows: Higher temperatures and/or higher humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Lower temperatures and/or low humidity extend the cure time. To accelerate cure **HD-Traffic SF** Hardener may be added according to recommendations..

EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, in accordance with local regulations, immediately after use.

STORAGE

HD-Traffic SF has a shelf life of six (6) months from date of manufacture in original, factory sealed containers.

LIMITATIONS

Surfaces must be dry, clean and free of foreign matter. Surface may be slippery when wet. Over time this product may chalk, fade and discolor. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

WARNING

This product contains Isocyanates.

PRECAUTION

Protect your health! While working with this material, safety goggles, gloves and safety clothing must be worn at all times. While injecting, a full face shield is strongly recommended. Spills and blow-outs do happen! Protect yourself and others on the jobsite. Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children! Observe container labels, MSDS, and instructions in the Product Catalog before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area. Further protection: emergency showers and eyewash stations.

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Aromatic Polyurethane Membrane**

SPECIFICATIONS

Coverage:

Dry Film Thickness, exclusive of aggregate,
per coat @ 1 gal/100 sq. ft .

Hardness, ASTM D-2240

Tear Resistance, Die C, ASTM D-624

Tensile Strength, ASTM D-412

Ultimate Elongation, ASTM D-412

Specific Gravity

Total Solids by Weight, ASTM D-2369

Total Solids by Volume, ASTM D-2697

Viscosity at 75F (24C)

Volatile Organic Compounds,
ASTM D-2369-81

Corrosiveness

Toxicity

Resistance to Chemicals

15 mils

80 ± 5 Shore A

320 ± 30 ph

56.09 ± 6 kN/m

3100 ± 300 psi

21.41 ± 2 MPa

500% ± 50%

1.2

99.8%

99.8%

3500 ±1500cps

approx. 0.015 lb/gal

approx. 1 gm/liter

Non-Corrosive

Essentially Non-Toxic

in Cured Form

Resistant to Most Organic Solvents, Mild Acids, Alkali
and Micro Organisms

APPLICATION RECOMMENDATION

Step 1 Primer (optional)

(1 gal./300 sq' ft./)

Epoxy / Polyurethane Primer

3 dry mils

Step 2 Coat 2

(¾ gal./100 sq. ft.)

HD-Traffic SF

11 ± 2 dry mils

Step 3 Coat 3

(1 gal./100 sq. ft.)

HD-Traffic SF

ramps, turn radii & heavy traffic areas

14 ± 2 dry mils

Step 4 Coat 4

(¾ gal./100 sq. ft.)

HD-Traffic SF

broadcast with aggregate

11 ± 2 dry mils

Step 5 Coat 5

(1 gal./100 sq. ft.)

HD-Traffic SF

14 ± 2 dry mils

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APPLICATION IN STEPS

STEP 1:

Prepare surface by cleaning it thoroughly. Bridge any joints, cracks, and flashings as desired. Check area of application to ensure that it conforms to the substrate requirements as stated in the general guidelines.

STEP 2:

Concrete and metal should be primed. Concrete should be primed with Primer at a rate of 1 gallon (mixture of Part-A & Part-B) / 300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. Steel flashings should only be primed with Epoxy Primer. Allow primer to become tack free before proceeding to Phase 3.

STEP 3:

Apply catalyzed **SealBoss Coating HD-Traffic SF** to substrate at a rate of p gallon/100 sq. ft. (0.31 liters m²). For best results use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread mixed **HD-Traffic SF** evenly over the entire surface resulting in a 11 ± 2 dry mils (279 ± 51 microns) thick embrane. Allow **WEBAC-COAT HD80 SF** to cure a minimum of 16 hours.

STEP 4:

Over ramps, turn radii, and other heavy traffic areasonly, apply catalyzed **HD-Traffic SF** at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). mmediately broadcast washed,dry, rounded sand, 20 mesh (0.0469 in.; 1.19 mm), with 6.5+ Moh's minimum hardness into the wet **HD-Traffic SF** at the rate of 10 lbs/100 sq. ft. This coat will result in an additional 14 ± 2 dry mils (356 ± 51 microns) thick membrane, exclusive of aggregate. Before proceeding to Phase 5 allow **HD-Traffic SF** to cure a minimum of 16 hours.

STEP 5:

Apply a second coat of catalyzed **HD-Traffic SF** over the entire surface, including heavy traffic areas, at a rate of 3/4 gallon/100 sq. ft. (0.31 liters/m²). Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0469 in.; 1.19 mm), with 6.5+ Moh's minimum hardness over the entire surface at a rate of 10 lbs/100 sq. ft. This coat will result in an additional 11 ± 2 dry mils (279 ± 51 microns) thick membrane, exclusive of aggregate. Before proceeding to Phase 6, allow **WEBAC-COAT HD80 SF** to cure a minimum of 16 hours.

STEP 6:

Apply the third coat of catalyzed **HD-Traffic SF** at the rate of 1 gallon/100 sq. ft. (0.41 liters/m²) over the cured product with aggregate. This coat will result in an additional 14 ± 2 dry mils (364 ± 51 microns) thick membrane. The ideal curing conditions are 70 °F and 50% relative humidity. After 24 hours, allow light foot traffic only. Keep all vehicular traffic off the finished deck system for at least 72 hours.

OPTIONAL:

ACCELERATED CURE

The use of **HD-Traffic SF** Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

FINISHED SYSTEM

When applied as directed above, the **HD-Traffic SF** vehicular deck system will provide 40 dry mils, (ramps, turn radii, and other heavy traffic areas: 50 dry mils) exclusive of aggregate, of superior waterproofing protection.

STRIPING

It is recommended that an Epoxy paint be used for line striping.

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