



### SealBoss® HD80 Traffic Features

- High Durability With Adjustable Grades
- 25 to 50 + Dry Mils Multi Layer Application
- Good Weather Resistance
- Solvent Free
- Very Low Odor, CA VOC, AQMD, SCAQMD Compliant

### Product Description

#### Type Of Material

**SealBoss® HD80 Traffic** is high quality, liquid applied, seamless, moisture cured heavy duty waterproof coating system. The SealBoss® HD80 Traffic system consists of a primer and a premium, solvent free, low odor, aromatic urethane formulation, plus catalyst for decreased cure times.

SealBoss® HD80 Traffic heavy duty elastomeric coating system is designed to withstand vehicular and pedestrian traffic of varying degrees. Increasing durability grades and dry mil thickness are achieved by multiple layer application of product and aggregate. The final product expands and contracts with normal structural movements, protects surfaces from spalling, freeze/thaw damage, and also from chemicals related to automotive traffic. SealBoss® HD80 Traffic is highly resistant to hot and cold weather cycles. Proper installation and maintenance in accordance with all recommendations will result in good longevity of the product.

#### Color

Standard SealBoss® Grey  
Custom colors are available for a minimum order of 250 gallons (1000 liters).

#### Application

Before the application the surface must be prepared and primed according to specifications. Be advised to use primer compliant to local VOC regulations.

Mix SealBoss® HD80 Traffic using a mechanical mixer (Jiffy Mixer) at slow speeds. Add SealBoss® HD80 Traffic catalyst and continue mixing until a homogeneous mixture and color is obtained. SealBoss® HD80 Traffic 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.

It is recommended to use a squeegee, notched trowel or a resin core roller. Do not introduce air bubbles to the product.

SealBoss® HD80 Traffic shall be applied evenly and continuously over the entire surface to ensure a seamless, smooth and level coat with no lines or streaks.

Higher ambient temperature and humidity will reduce cure time. At 70°F (21°C) and 50% relative humidity allow non-catalyzed coating to cure a minimum of 14 to 16 hours before proceeding with subsequent coats. Allow 6 to 10 hours of cure time for catalyst accelerated material.

To obtain design adhesion strength between coats it is important to apply coats preferably within 24 hours of each other. Should have more than 2 days passed after the last application, it is recommended to apply the appropriate SealBoss® Primer before recoating.

### SealBoss® HD80 Traffic Applications

- Auto Traffic
- Pedestrian Traffic
- Parking Structures
- Concrete Decks, Balconies
- Warehouses
- Concrete Roofs

#### Final Cure

At 70°F (21°C) and 50% relative humidity, allow 24 to 36 hours before permitting light pedestrian traffic and at least 72 to 96 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

The cure time and pot life of SealBoss® HD80 Traffic are affected by temperature and humidity. Higher values accelerate the cure time. Lower temperatures and/or low humidity extend the cure time. To accelerate cure times, SealBoss® HD80 Traffic Catalyst may be added according to recommendations.

#### Equipment Cleanup

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

#### Storage

SealBoss® HD80 Traffic has a shelf life of one year 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. Opened containers have a reduced shelf life and must be used as soon as possible. Do not dilute product 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. 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.

#### Application Recommendations

For best results with the SealBoss® HD80 Traffic System consult application recommendations and usage tables. newly created wet membrane or broadcast a #1 or #2 graded washed dry sand (20 mesh) after the membrane has set long enough so the sand does not sink, covering it completely to provide a slip resistant surface. Allow to cure 2 to 4 hours or until stiff enough to support weight before collecting surplus broadcasting material and applying the colorcoat, tile or other surface coating. Note: Curing time depends on humidity and temperature. Low temperature and low humidity retards the curing time.



**Heavy Duty, Solvent Free, Seamless  
Multi Layer Polyurethane Coating System**

**Application Example  
For High Traffic Area  
50 + Dry Mills Membrane Plus Aggregate**

*Preparation*

Prepare surface by cleaning it thoroughly. Bridge or fill any joints, cracks, and flashings as needed. Consider SealBoss® QuickFix Floor Repair Products for the treatment of cracks and spalls. Check area of application to ensure that it conforms to the substrate requirements as stated in the general guidelines.

*Coating Primer*

Prime all surfaces. Concrete should be primed with SealBoss® Polyurethane Primer at a rate of 1 gallon (mixture of Part-A & Part-B) / 300 sq. ft. (0.15 liters/m<sup>2</sup>). Apply using a brush or phenolic core roller. This will result in a 3 dry mills (76 microns) thick membrane. Steel flashings should be primed with Epoxy Primer. Use Primer in accordance with your local VOC regulations. Allow primer to become tack free before proceeding to Coating Layer 1.

*Coating Layer 1*

Apply SealBoss® HD80 Traffic to substrate at a rate of 0.75 gallon/100 sq. ft. (0.31 liters/m<sup>2</sup>). To decrease cure time, up to one 0.5 pint (125 ml) bottle of SealBoss® Catalyst per 5 gal SealBoss® HD80 Traffic product may be added. 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 SealBoss® HD80 Traffic evenly over the entire surface resulting in a 12 ± 2 dry mills (280 ± 50 microns) thick membrane. Allow SealBoss® HD80 Traffic to cure a minimum of 16 hours, or 6 to 10 hours if catalyzed.

*Coating Layer 2*

For heavy traffic areas and ramps apply SealBoss® HD80 Traffic at a rate of 1 gallon/100 sq. ft. (0.40 liters/m<sup>2</sup>). To decrease cure time, up to one 0.5 pint (125 ml) bottle of SealBoss® Catalyst per 5 gal SealBoss® HD80 Traffic product may be added. Broadcast washed, dry, rounded sand, 20 mesh (0.05 in.; 1.2 mm), with 6.5 + Moh's minimum hardness into the wet SealBoss® HD80 Traffic at the rate of 10 lbs/100 sq. ft.

**Examples:**

**Usage Table Heavy Duty Vehicular Traffic 50+ Dry Mills  
Coating Steps**

Primer	1 gal / 300 sq ft	3-5 dry mills (Primer)	SealBoss® Primer Pu / Ep
Coating Layer 1	.75 gal / 100 sq ft	12 ± 2 dry mills	HD80 Traffic / Catalyst
Coating Layer 2	1 gal / 100 sq ft	16 ± 2 dry mills	HD80 Traffic / Catalyst + Aggregate
Coating Layer 3	.75 gal / 100 sq ft	12 ± 2 dry mills	HD80 Traffic / Catalyst + Aggregate
Coating Layer 4	1 gal / 100 sq ft	16 ± 2 dry mills	HD80 Traffic / Catalyst
		50 + dry mills total	(excluding aggregate)

**Usage Table Heavy Pedestrian / Standard Vehicular 42 Dry Mills  
Coating Steps**

Primer	1 gal / 300 sq ft	3-5 dry mills (Primer)	SealBoss® Primer Pu / Ep
Coating Layer 1	.75 gal / 100 sq ft	12 ± 2 dry mills	HD80 Traffic / Catalyst
Coating Layer 3	.75 gal / 100 sq ft	12 ± 2 dry mills	HD80 Traffic / Catalyst + Aggregate
Coating Layer 4	1 gal / 100 sq ft	16 ± 2 dry mills	HD80 Traffic / Catalyst
		42 dry mills total	(excluding aggregate)

**Usage Table Light Pedestrian (Balcony) 26 Dry Mills  
Coating Steps**

Primer	1 gal / 300 sq ft	3-5 dry mills (Primer)	SealBoss® Primer Pu / Ep
Coating Layer 1	.75 gal / 100 sq ft	12 ± 2 dry mills	HD80 Traffic / Catalyst + Aggregate
Coating Layer 2	.75 gal / 100 sq ft	12 ± 2 dry mills	HD80 Traffic / Catalyst
		26 dry mills total	(excluding aggregate)

This coat will result in an additional 16 ± 2 dry mills (360 ± 50 microns) thick membrane plus aggregate volume. Before proceeding to Layer 3 allow SealBoss® HD80 Traffic to cure a minimum of 16 hours, or 6 to 10 hours if catalyzed.

*Coating Layer 3*

Apply a second coat of SealBoss® HD 80 over the entire surface, including heavy traffic areas, at a rate of 3/4 gallon/100 sq. ft. (0.31 liters/m<sup>2</sup>). To decrease cure time, up to one 0.5 pint (125 ml) bottle of SealBoss® Catalyst per 5 gal SealBoss® HD 80 product may be added. Broadcast washed, dry, rounded sand, 20 mesh (0.05 in.; 1.2 mm), with 6.5+ Moh's minimum hardness into the wet SealBoss® HD 80 at the rate of 10 lbs/100 sq. ft. This coat will result in an additional 12 ± 2 dry mills (280 ± 50 microns) thick membrane plus aggregate volume. Before proceeding to Layer 4, allow SealBoss® HD 80 to cure a minimum of 16 hours, or 6 to 10 hours if catalyzed..

*Coating Layer 4*

Apply the third coat of SealBoss® HD 80 at the rate of 1 gallon/100 sq. ft. (0.41 liters/m<sup>2</sup>) over the cured product with aggregate. To decrease cure time, up to one 0.5 pint (125 ml) bottle of SealBoss® Catalyst per 5 gal SealBoss® HD 80 product may be added. This coat will result in an additional 16 ± 2 dry mills (360 ± 50 microns) thick membrane. At conditions of 70°F and 50% relative humidity allow light foot traffic after 24 hours and vehicular traffic not before 72 hours cure time. This recommendation is also valid for catalyzed product.

*Accelerated Cure*

The use of 0.5 pint (125 ml) SealBoss® Catalyst per 5 gallon product will shorten cure time to 6 to 10 hours for each coat. For best results apply next layer within 8 to 12 hours.

*Finished System*

When applied as directed above, the SealBoss® HD 80 vehicular deck system will provide 50 dry mills (plus aggregate) of superior waterproofing protection.

*Striping*

Recommended: High Quality Epoxy paint.



### Technical Data

Meets ASTM-C957

#### Coverage:

Dry Film Thickness, (aggregate excluded)

per coat at 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 75°F (24°C)

Volatile Organic Compounds,

ASTM D-2369-81

Corrosiveness

Toxicity

Resistance to Chemicals

Packaging

Containers: HD 80 - 5 gal, 55 gal, 230 gal

Catalyst - 0.5 pint, quart, 5 gal

approx 16 mils

80-85 ± 5 Shore A

340 ± 30 pli

60 ± 6 kN/m

2100 ± 200 psi

15 ± 2 MPa

500% - 600% ± 50%

1.2

99.9%

99.9%

3400 ± 1500cps

approx. 0.01 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



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