

# SealBoss®

## TopCoat (TC1, TC1-C, TC1-SC)



Product Data Sheet

Heavy Duty, Aliphatic Polyurethane  
TopCoat 100 Shore A Hardness

### SealBoss® TopCoat Features

- High Durability Seamless Membrane
- Good Weather Resistance
- CA and SCAQMD Formulations

### Product Description

**SealBoss® TopCoat (TC1, TC1-C & TC1-SC)** is a high quality polyurethane topcoat for SealBoss® membrane systems. The formulation is single component based on an aliphatic polyester with moisture cure properties. Formulations for air quality compliance in California and Southern California are available. Please indicate the desired area of use during your order.

SealBoss® TopCoat TC1 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® TopCoat TC1 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® TopCoat TC1 Grey & Clear

Various Colors are available for SealBoss® TopCoat TC1-C and SealBoss® TopCoat TC1-SC formulations.

### Application

SealBoss® TopCoat (TC1, TC1-C & TC1-SC) is a final seal coating for freshly applied SealBoss® membrane systems and must be applied to a clean and dry surface within 48 hours. Any other use requires use of SealBoss® primer.

Mix product using a mechanical mixer (Jiffy Mixer) at slow speeds until a homogeneous mixture and color is obtained. Product 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.

After thorough mixing, the product shall be applied evenly and continuously over the entire surface to ensure a seamless, smooth and level topcoat with no lines or streaks.

Higher ambient temperature and humidity will reduce cure time. At 75°F (24°C) and 50% relative humidity allow coating to cure a 16 hours before applying subsequent coats but not more than 48 hours!

Low temperature and/or low humidity extend the cure time. A special SealBoss® hardener can be mixed into the product to shorten cure time by approximately 50% if necessary, 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® TopCoat Range of Application

- Auto Traffic
- Parking Structures
- Warehouses
- Pedestrian Traffic
- Concrete Floors
- Concrete Roofs

### 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.

Surface may be slippery when wet.

Clear coating may turn opaque over time especially on outside applications. Primer cannot be used between clear topcoat applications.

### Warning

This product contains Isocyanates and Solvent in various concentrations based on formulation. Refer to MSDS.

### 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® TopCoat (TC1, TC1-C & TC1-SC) System consult application recommendations.

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### Technical Data

**SealBoss® TopCoat TC1 Pigmented For Use Outside of California, Warning: Confirm With Local Regulations For Restrictions 340 VOC**

Coverage Rate at 1 gal/100 sq ft	8-12 mils, 200-300 microns
Hardness, ASTM D-2240	90-100 Shore A
Tear Resistance, Die C, ASTM D-624	450-550 pli 80-95 kN/m
Tensile Strength, ASTM D-412	3800 ± 300 psi 24-28 MPa
Ultimate Elongation, ASTM D-412	225-275%
Specific Gravity	1.14
Total Solids by Weight, ASTM D-2369	approx 70%
Total Solids by Volume, ASTM D-2697	approx 61%
Viscosity at 75°F (24°C)	1200 ± 600 cps
Volatile Organic Compounds,	2.79 lb/gal
ASTM D-2369-81	334 gm/liter

**SealBoss® TopCoat TC1-C Pigmented For Use In California, Excluding SCAQMD Areas 250 VOC**

Coverage Rate at 1 gal/100 sq ft	8-12 mils, 200-300 microns
Hardness, ASTM D-2240	90-100 Shore A
Tear Resistance, Die C, ASTM D-624	450 ± 50 pli 70-85 kN/m
Tensile Strength, ASTM D-412	4000 ± 300 psi 27.6 ± 2.1 MPa
Ultimate Elongation, ASTM D-412	200 ± 25%
Specific Gravity	1.25
Total Solids by Weight, ASTM D-2369	approx. 70%
Total Solids by Volume, ASTM D-2697	approx. 60%
Viscosity at 75°F (24°C)	1500±1000 cps
Volatile Organic Compounds,	2.09 lb/gal
ASTM D-2369-81,	250 gm/liter

**SealBoss® TopCoat TC1-SC Pigmented For Use In SCAQMD Areas 100 VOC**

Coverage Rate at 1 gal/100 sq ft	10-14 mils 250-350 microns
Hardness, ASTM D-2240	90-100 Shore A
Tear Resistance, Die C, ASTM D-624	450-550 pli 80-90 kN/m
Tensile Strength ASTM D-412	3200-3800 psi 22-26 MPa
Ultimate Elongation, ASTM D-412	175-225%
Specific Gravity	1.31
Total Solids by Weight, ASTM D-2369	74-78 2%
Total Solids by Volume, ASTM D-2697	71.5-75.5 2%
Viscosity at 75°F (24°C)	2000 ± 500cps
Volatile Organic Compounds,	0.82 lb/gal
ASTM D-2369-81	98 gm/liter

**SealBoss® TopCoat TC1 Clear For Use Outside of California, Warning: Confirm With Local Regulations For Restrictions 340 VOC**

Coverage Rate at 1 gal/100 sq. ft	18-12 mils 200-300 microns
Hardness, ASTM D-2240	990-100 Shore A
Tear Resistance, Die C, ASTM D-624	450-550 pli 80-95 kN/m
Tensile Strength, ASTM D-412	5500 ± 500 psi 35-40 MPa
Ultimate Elongation, ASTM D-412	220-280%
Specific Gravity	0.988
Total Solids by Weight, ASTM D-2369	66.2%
Total Solids by Volume, ASTM D-2697	61.7%
Viscosity at 75°F (24°C)	500 ± 300 cps
Volatile Organic Compounds,	2.79 lb/gal
ASTM D-2369-81	334 gm/liter



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