



HIGHTECH
INDUSTRIAL COATINGS

PRODUCT DATA

Coverage1 gal/100 sq. ft
Cure Time 16 hours
Shelf life12 months

COLOR PIGMENTS:

Black

PACKAGING

5 Gallon (18.9 liter) pail

55 gallon drum,
net fill 50 gallons (189 liters)

LEED CREDITS

The use of this Hightech product may contribute to obtaining LEED MR Credits 1.1 & 1.2.

APPROVED
CITY OF LOS ANGELES
RR# 25935

SEALTECH 5000H

SINGLE COMPONENT, BITUMEN MODIFIED WATERPROOFING MEMBRANE

PRODUCT DESCRIPTION

SEALTECH 5000H is a single component, liquid applied, bitumen modified, coal tar free, moisture cured polyurethane waterproofing membrane. SEALTECH 5000H is in complete compliance with SCAQMD air quality standards, and has VOC levels equal to or less than 100 grams per liter.

ADVANTAGES

- Economical
- Labor Saving
- Meets the Criteria of ASTM C-836 & E-96
- User Friendly
- Resistant to Bacteria

APPLICATIONS

- Bridges
- Planters
- Between Slabs
- Shower Pans
- Tunnels
- Basements
- Foundation Walls
- Water Tanks

PHYSICAL PROPERTIES

PROPERTY	VALUE	REFERENCE
Hardness	50 ± 5 Shore A	ASTMD-2240
Tear Resistance, (Die C)	40 ± 20 pli (21 ± 3.5 kNm)	ASTM D-624
Tensile Strength	350± 50 psi (3.45 ± 0.3 Mpa)	ASTM D-412
Ultimate Elongation	300± 50%	ASTM D-412
Specific Gravity	1.32	-
Total Solids by Weight	92 ± 3%	ASTM D-236
Total Solids by Volume	90 ± 3%	ASTM D-2697
Viscosity at 80°F (27°C)	5,000 ± 2,000 cps	
Service Temperature	-25°F to 200°F (-31.7°C to 93.3°C)	
Volatile Organic Compounds	0.83 lb/gal (100gm/liter)	ASTM D-2369-81

MIXING

Before application, SEALTECH 5000H should be thoroughly mixed using a mechanical mixer at slow speed to ensure a homogeneous material. Take care not to allow entrapment of air into the material.

GREEN CONCRETE APPLICATION

1. Prime the wall with a thin (5 mil) application of SEALTECH 5000H diluted with a manufacturer approved and AQMD compliant solvent at a ratio of 1 quart of solvent per 5 gallons of SEALTECH 5000H. The coverage rate for this prime coat should be around 200 square feet per gallon. This should fill all of the bug holes in a poured wall that typically cause outgassing resulting in pin holing in the coating.
2. Follow Step 1 with a standard two to three coat application of SEALTECH 5000H at 30 mils per coat (50 square feet per gallon) depending on whether a 60 or 90 mil application is desired.

Note: The standard SEALTECH 5000H may be applied to both fully cured (28 days for poured in place and 10 days after grouting for block) and green concrete.

JOINTS, CRACKS AND FLASHING:

Apply a stripe coat of SEALTECH 5000H over all cracks up to 1/16" in width. All cracks over 1/16" in width must be caulked with a polyurethane sealant. All metal flashings must be primed with manufacturer's recommended primer.

APPLICATION

SEALTECH 5000H may be applied with a brush, squeegee, trowel, roller or airless sprayer. Over smooth surfaces, such as poured-in-place concrete, apply SEALTECH 5000H evenly in two 30 mil coats. The application rate to achieve 30 dry mils is 50 sq. ft. / gallon.

Apply PRIMETECH 21 per product data sheet in all applications where the SEALTECH 5000H membrane will be submerged in water.

CURING

At 75°F (24°C) and 50% relative humidity, allow each coat of SEALTECH 5000H to cure 16 hours minimum. Cure time will vary depending on temperature and humidity. If more than 48 hours pass between coats the surface must be re-primed.

SEALTECH 5000H is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in thickness of application. Limit single coat thickness to 30-40 wet mils.

LIMITED WARRANTY:

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Hightech representative or visit our website for current technical data and instructions.

Hightech warrants its products to be free of manufacturing defects and that they will meet Hightech current published physical properties. Hightech warrants that its products, when properly installed by a state licensed waterproofing contractor according to Hightech guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Hightech of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Hightech shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Hightech shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Hightech reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER:

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Hightech makes no claim that these tests or any other tests, accurately represent all environments

CLEAN UP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE

SEALTECH 5000H has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS

The following conditions must not be coated with Hightech deck coatings or systems: split slabs, buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, and lightweight concrete. On grade slabs may receive Hightech system coatings provided a moisture-vapor transmission test is first performed. Please contact Hightech technical department with the results.

With regard to coating asphalt surfaces, please contact Hightech technical department.

Surfaces must be dry, clean and free of foreign matter. Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications. Surface may be slippery when wet. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

WARNING

This product contains Aromatic Hydrocarbons, Isocyanates and Solvent.

KEEP OUT OF REACH OF CHILDREN