SEALTECH IM-129

NSF 61 APPROVED, AROMATIC, POLYASPARTIC WATERPROOFING MEMBRANE

HIGHTECH
INDUSTRIAL COATINGS

PRODUCT DATA

Mix Ratio ..... Pre-measured

Coverage .....1 gal/100 sq. ft

Cure Time ..... 24 hours

Shelf life .....12 months

COLOR PIGMENTS

Black, fades to dull black

**Note: In applications where NSF-61 approval is not required, SEALTECH IM-129 may be topcoated with Pigmented PROTECH 100 for a UV stable color.*

PACKAGING

1 Gallon (3.78 liter) Kit:

Part A .....One 1 Pint Can net fill 0.1 gallon (0.38 liter)

Part B ..... One 1 Gallon Can net fill 0.9 gallon (3.4 liter)

4.5 Gallon (17 liter) Kit:

Part A ..... One 1/2 Gallon Can net fill 0.45 gallon (1.70 liter)

Part B ..... One 5 Gallon Pail net fill 4.05 gallon (15.30 liter)

LEED CREDITS

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

PRODUCT DESCRIPTION

SEALTECH IM-129 is a two component, liquid applied, asphalt extended aromatic polyurethane that adheres to most substrates, to form a waterproof membrane. SEALTECH IM-129 is ANSI / NSF-61 approved for contact with Potable Water.

ADVANTAGES

- NSF-61 Approved
- Low VOC
- Seamless Waterproofing
- Economical
- Bridges Cracks and Joints
- Impervious To Water and Aqueous Chemicals

APPLICATIONS

- Waterproofing
- Roofing (with scrim)
- Tank Liner
- Reservoirs (with scrim)
- Pond Liner
- Ponds (with scrim)
- Containment
- Corrosion Protection
- Potable Water Containment / Storage

Common Substrates:

- Concrete
- Wood
- Steel
- Metal
- Glass
- Asphalt

PHYSICAL PROPERTIES

PROPERTY	VALUE	REFERENCE
Coverage Rate	1 gal/100 sq. ft.	–
ANSI/NSF 61 Approved up to	140°F (60C)	–
Elastomeric Waterproofing	exceeds	ASTM C-836
Total Solids by Volume	89%	ASTM D-2697
Volatile Organic Compounds	87 gm/liter	ASTM D-2379-81
Mullen Burst Strength	155 psi (no break)	ASTM D-751.50 mil
Tear Resistance, Die C	150 ± 50 lbs/in	ASTM D-624
Tensile Strength 100 mil sheet	900 ± 100 psi	ASTM D-412
Extension to Break	450 ± 100%	ASTM D-412
Membrane Weight, 60 mils (1.5mmWFT)	approx. 30 lbs / 100 sq. ft.	–
Recovery from 100% extension,	98% after 5 min. | 100% after 24 hr.	–
Crack Bridging	10 cycles @ -15°F: > 1/8" After Heating Aging: > 1/4"	–
Weathering	Pass 5000 hrs	ASTM D-822
Softening Point, Ring Ball	> 400°F	ASTM D-36
Deflection Temp	Pass	ASTM D-648
Service Temperature	-60 to 200°F	–
Hardness @ 77°F	60 ± 5 Shore A	ASTM D-2240
Permeability to Water Vapor Method E, 100°F, 100 mil sheet	0.06 perm	ASTM D-96
Abrasion Resistance Wt. Loss Taber AbraserCS-17Wheel, 100 gr./1000 rev.	7.2 mg loss	ASTM D-4060
Electrical Resistivity 50% R.H. 23°C, 2" (50mm) disc, 100 mil (2.5) thickness	3.86 x 10E 14 ohn.cm	ASTM D-257
Adhesion to Concrete (dry) Elcometer	350 psi	–
Time to Reach 20 Shore A Hardness, @ 77°F 200 gram quantity	24 hrs. max	ASTM D-2240
Working Time (Pot Life) @ 77°F	18-20 min	–
Set Time to Polyurethane Film hours	4 hrs.	ASTM D-164 Proc. 5.3.2

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FRONT SIDE: REVISED_1-1-2015

MIXING

Proportions are premeasured. Using a mechanical mixer, pre-mix SEALTECH IM-129 Part-B material thoroughly to obtain a uniform color. Add Part-A to Part-B material and box and mix thoroughly until a uniform mixture is achieved. Do not mix in an up and down motion. Use care not to allow the entrapment of air into the mixture. SEALTECH IM-129 should not be mixed by hand.

APPLICATION

Apply two coats of SEALTECH IM-129 at 2 gallons per 100 sq. ft. each coat directly to a clean, dry substrate meeting the substrate requirements set forth in the general guidelines.

Application of SEALTECH IM-129 should not start if surface temperature is below 50º F (10º C). Ambient temperature must be 5ºF (3ºC) above dew point. Do not apply when the ambient or substrate temperature is rising.

Squeegee, notched trowel or phenolic resin core roller may be used; if a roller is used extra care should be taken not to trap air bubbles into the mixture. For most applications, apply SEALTECH IM-129 evenly over the entire deck in two coats at 2 gallons per 100 sq. ft. resulting in 28 dry mils per coat.

RECOAT

SEALTECH IM-129 may be recoated one hour after application. Recoating/Multiple or second coats must be completed within eight (8) hours of previous applications of SEALTECH IM-129. After this eight (8) hour window, it is necessary to abrade, clean and prime surface prior to recoating. Abrading shall be by grinder or other mechanical means.

CURING

At 75°F (24°C) and 50% relative humidity, allow coating to cure for 24 hours before allowing foot traffic. SEALTECH IM-129 is sensitive to heat and moisture. Higher temperature and relative humidity will accelerate the curing time. If more than 48 hours passes between coats, re-prime the surface with PRIMETECH U before proceeding.

CLEAN UP

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

STORAGE

SEALTECH IM-129 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.

Do not apply SEALTECH IM-129 in wet weather or if rain is imminent. Coating should not become wet within 4 hours after application.

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 Isocyanates, Asphalt and Solvent..

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

KEEP OUT OF REACH OF CHILDREN