

Sustainability Assured for Single Ply Roofing Membranes

NSF/ANSI 347 Sustainability Assessment for Single Ply Roofing Membranes is the leading consensus standard for evaluating and certifying sustainable attributes of single ply roofing membranes over their entire product life cycle.

NSF Sustainability provides certification to the NSF/ANSI 347 standard. Single Ply Roofing Membranes, as defined by this standard, include, but are not limited to, membranes produced from EPDM (Ethylene Propylene Diene Terpolymer), KEE (Ketone Ethylene Ester), PVC (Poly Vinyl Chloride), TPO (thermoplastic polyolefin), and PIB (Polyisobutylene) products. This U.S. national standard was developed through a consensus-based public process by a multi-stakeholder group of manufacturers, suppliers, regulatory agencies, customers, end users, academia and other industry participants under NSF's facilitation. The purpose of this standard is to communicate accurate and verifiable information about the environmental and social impacts associated with the production and use of Single Ply Roofing Membranes. Sustainability assessment standards inform and encourage the demand for and supply of products that cause less stress on the environment and society. The result is continuous market-driven improvement.

Standard 347 Overview

Based on life-cycle assessment principles, NSF/ANSI 347 employs an easy-to-use point system to evaluate roofing membrane products against established prerequisite requirements, performance criteria and quantifiable metrics in five key areas:

1. Product Design
2. Product Manufacturing
3. Membrane Durability
4. Corporate Governance
5. Innovation



For example, Product Design criteria require a prerequisite of an environmental assessment program that considers environmental attributes and impacts of products and packaging across the entire product life cycle (e.g., raw material extraction, manufacturing, use, and end of life). Criteria examples in Product Manufacturing include environmental management systems, energy conservation, waste minimization, water conservation and greenhouse gas reductions. Certification is based on point totals to achieve a Conformant, Silver, Gold, or Platinum level.

Manufacturers certified by NSF are authorized to use the NSF Sustainability Certified Mark on their products and in their advertising. Monitoring and periodic reevaluation is required to maintain certification.

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Certification Benefits

Certification of products to this American National Standard allows manufacturers to:

- Distinguish “green” products from competitors and enhance their brand.
- Obtain preferred vendor status from those seeking sustainable solutions.
- Meet state and federal procurement guidelines.
- Achieve the most credible type of certification available in the marketplace.
- Save money by adopting more sustainable operational practices and business approaches.

Background

A partnership with NSF International and the Chemical Fabric and Film Association (CFFA) began in May 2009 to build a standard for sustainability assessment of single-ply roofing membranes. The standard was developed over approximately a 2-year period with input from stakeholders including industry, users, public agencies, environmental non-governmental organizations (ENGOs), and other interested parties. This multi-stakeholder group worked to provide the commercial market with an easy-to-understand standard for the evaluation and certification of single ply roofing membranes. The standard allows transparency and open understanding regarding conformance requirements, providing for more understandable and meaningful marketplace comparisons.

Contact Us

For more information about certification to NSF/ANSI 347, please contact NSF at +1 (734) 476-2543, internationally at 00 +1 (734) 476-2543 or by e-mail at sustainability@nsf.org.

To purchase a copy of NSF/ANSI 347, visit <http://www.techstreet.com/nsfgate.html>.

Sustainability Assured

NSF International has been testing and certifying products for safety, health and the environment for more than 65 years (www.nsf.org). As an independent, not-for-profit organization, NSF’s mission is to protect public health and the environment through standards development, inspection, testing and certification for the food, water, building materials, retail, chemical and health science industries. Operating in more than 120 countries, NSF is committed to protecting public health worldwide.

NSF Sustainability draws upon this expertise in standards development, product assurance and certification, advisory services and quality systems management to help companies green their products, operations, systems and supply chains.



Through its National Center for Sustainability Standards, NSF has developed sustainability standards for product categories such as chemicals, building products and materials, and water quality. NSF works with leading regulators, scientists, engineers, public health and environmental health professionals, and industry representatives to develop these transparent, consensus-based standards.