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American National Standard*

NSF/ANSI 342 - 2010

Sustainability Assessment for
Wallcovering Products



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for Sustainability —

Sustainability assessment for wallcovering products

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Foreword²

This American National Standard, NSF/ANSI 342 Sustainability assessment for wallcovering products Standard, has been developed as part of the ongoing efforts of interested parties to document and improve the sustainability profile of wallcoverings using established and/or advanced scientific principles, practices, materials, and standards. Stakeholders involved in developing the Standard included wallcovering manufacturers, wallcovering distributors, end users such as consultants and certifiers, state agencies responsible for environmentally preferable product procurement practices, academics, and non-governmental organizations.

The purpose of the Sustainability Assessment for Wallcoverings Standard is a thorough communication of information that is verifiable, accurate, and not misleading about environmental and social aspects associated with the production and use of resilient floor coverings.

The Sustainability Assessment for Wallcoverings Standard has been designed, in part, to satisfy the following criteria:

- Product design through encouraging manufacturers to integrate environmental and life-cycle thinking into the product(s) design process.
- Product manufacturing encouraging manufacturers to quantify the environmental impacts from their manufacturing, and then act to reduce or remove those impacts.
- Long term value encouraging manufacturers to maximize product(s) longevity.
- End of life management ensuring that existing and new wallcovering products can be collected, processed, recycled, and/or composted within the existing materials recycling infrastructure.
- Corporate governance encouraging corporate social responsibility in the forms of providing a desirable workplace, being involved in the local community, and demonstrating financial health.
- Innovation to give manufacturers the opportunity to be awarded points for exceptional performance above the requirements set forth in this Standard.

Comments on this Standard should be sent to NSF International, Standards Department, P. O. Box 130140, Ann Arbor, Michigan 48113-0140, USA or to standards@nsf.org.

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NSF/ANSI Standard for Sustainability —

Sustainability Assessment for Wallcovering Products

1 General

1.1 Purpose

The overall purpose of this Standard is to facilitate the thorough communication of information that is verifiable, accurate, and credible associated with the production, distribution, and use of wallcovering products. Such communication is expected to encourage the demand for and supply of products that cause less stress on the environment and society, thereby stimulating the potential for market-driven continuous improvement. The standard is voluntary and encourages inclusive participation in the production and distribution of sustainable wallcovering products across and within the supply chain.

This Standard is intended to be science based, provide transparency and offer creditability for manufacturers and distributors in making claims of environmental preferability and sustainability, and to harmonize the principles and procedures used to support such claims.

This Standard provides a practice for assessing the sustainability of wallcovering manufacturing and distribution processes. Sustainability-related information can inform a manufacturer's and distributors decisions about supply chain modifications, product content changes, manufacturing adjustments, performance improvements, end-of-life options, and corporate governance, with the goal of producing more sustainable products.

This Standard addresses environmental performance and sustainability attributes of wallcovering products and distribution, and provides a means to track incremental changes to the products' sustainability profile. This Standard is intended to provide a consistent framework in which to compare and assess the sustainable nature of different products within the context of performing similar functions.

This Standard is intended to be used by product manufacturers interested in understanding the sustainability performance of their products. Distributors also have an opportunity to improve sustainability of products in the marketplace and this standard addresses them as a separate category to support the sustainability direction of the industry.

Independent auditors, certification bodies and environmental labeling organizations are also potential users of this Standard for its use in supporting market based environmental and sustainability claims. This Standard may also be used by purchasers and consumers who wish to ensure that manufacturers are accurately declaring the sustainable nature of their products.

1.2 Scope

This Standard establishes a consistent approach to the evaluation and determination of environmentally preferable and sustainable wallcovering manufacturing and distribution processes. The Standard includes relevant criteria across the product life cycle from raw material extraction through manufacturing, distribution, use, and end-of-life management.

The scope of the standard includes the following **wallcovering manufacturing** processes:

- Raw material inputs (fibers, resins, additives, colorants, and process chemicals)
- Fabric or sheet formation, and
- Finishing treatments
- Attachment systems

The scope of the standard also includes the following **wallcovering distribution** processes:

- Product Distribution
- Recycling Infrastructure support
- Indoor Air Quality (IAQ)

As used in this Standard, “Wallcovering Manufacturing & Distribution” includes, but is not limited to, textiles, vinyl, vinyl coated, alternative polymer, alternative polymer coated, textiles, paper and other natural fiber products and natural fiber products. The Standard is applicable to products manufactured in one facility or multiple facilities, one country or multiple countries.

1.3 Principles

This standard practice was developed based on the following important principles.

1.3.1 Product Life cycle consideration

The life cycle of a product ranges from activities associated with the production and delivery of raw materials or generation of natural resources to the distribution, installation, use and ultimately to final disposal. This Standard was developed with consideration of the product life cycle of wallcovering manufacturing processing and distribution to help identify the appropriate and relevant characteristics and criteria to be used in evaluating a product’s environmental preferability and sustainability.

1.3.2 Relationship with legislation

A precondition for claiming conformance with this Standard shall be compliance with environmental and other relevant regulations. The entity is in compliance for any outstanding compliance issues with local, state, and federal agencies as long as the entity is making a good faith effort to resolve the issue with the appropriate authorities.

1.3.3 International trade aspects

The procedures and requirements included within this Standard have not been prepared, adopted, or applied with a view to creating unnecessary obstacles to international trade.

1.3.4 Scientific basis

The criteria contained in this Standard were developed and selected based on sound scientific and engineering principles intended to produce accurate, reproducible results.

1.3.5 Product innovation

Use of this Standard is intended to support, not inhibit, innovation that maintains or has the potential to improve environmental and social accountability performance.