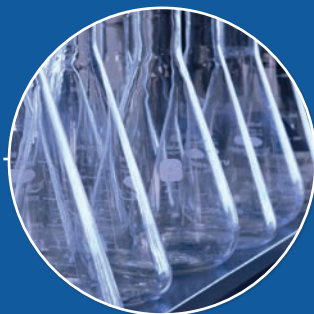




*NSF International Standard /
American National Standard*

NSF/ANSI 342 - 2010e

Sustainability Assessment for
Wallcovering Products



NSF International, an independent, not-for-profit, non-governmental organization, is dedicated to being the leading global provider of public health and safety-based risk management solutions while serving the interests of all stakeholders.

This Standard is subject to revision.
Contact NSF to confirm this revision is current.

Users of this Standard may request clarifications and interpretations, or propose revisions by contacting:

Chair, Joint Committee on Wallcovering Products
c/o NSF International
789 North Dixboro Road, P. O. Box 130140
Ann Arbor, Michigan 48113-0140 USA
Phone: (734) 769-8010
Telex: 753215 NSF INTL
FAX: (734) 769-0109
E-mail: info@nsf.org
Web: <http://www.nsf.org>

NSF/ANSI 342 – 2010e

NSF International Standard/
American National Standard
for Sustainability —

Sustainability assessment for wallcovering products

Standard Developer
NSF International

NSF International Board of Directors

Designated as an ANSI Standard
November 10, 2010

American National Standards Institute

Prepared by
The NSF Joint Committee on Sustainable Wallcovering Products

Recommended for Adoption by
The NSF Council of Public Health Consultants

Adopted
November 2010

Published by

NSF International
P.O. Box 130140, Ann Arbor, Michigan 48113-0140, USA

For ordering copies or for making inquiries with regard to this Standard, please reference the designation "NSF/ANSI 342 – 2010."

Copyright 2010 NSF International

Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from NSF International.

Printed in the United States of America.

Disclaimers¹

NSF, in performing its functions in accordance with its objectives, does not assume or undertake to discharge any responsibility of the manufacturer or any other party. The opinions and findings of NSF represent its professional judgment. NSF shall not be responsible to anyone for the use of or reliance upon this Standard by anyone. NSF shall not incur any obligation or liability for damages, including consequential damages, arising out of or in connection with the use, interpretation of, or reliance upon this Standard.

NSF Standards provide basic criteria to promote sanitation and protection of the public health. Provisions for mechanical and electrical safety have not been included in this Standard because governmental agencies or other national standards-setting organizations provide safety requirements.

Participation in NSF Standards development activities by regulatory agency representatives (federal, local, state) shall not constitute their agency's endorsement of NSF or any of its Standards.

Preference is given to the use of performance criteria measurable by examination or testing in NSF Standards development when such performance criteria may reasonably be used in lieu of design, materials, or construction criteria.

The illustrations, if provided, are intended to assist in understanding their adjacent standard requirements. However, the illustrations may not include *all* requirements for a specific product or unit, nor do they show the only method of fabricating such arrangements. Such partial drawings shall not be used to justify improper or incomplete design and construction.

Unless otherwise referenced, the annexes are not considered an integral part of NSF Standards. The annexes are provided as general guidelines to the manufacturer, regulatory agency, user, or certifying organization.

¹ The information contained in this Disclaimer is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this Disclaimer may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

This page is intentionally left blank.

Contents

1	General.....	1
1.1	Purpose.....	1
1.2	Scope.....	1
1.3	Principles.....	2
2	Normative references	3
3	Definitions.....	5
4	Conformance, Evaluation, and Assessment Criteria.....	7
4.1	Elements	7
4.2	Scoring methodology	7
4.3	Procedures for labeling and reporting.....	8
5	Product Design	8
5.1	Purpose.....	8
5.2	Enlightened design process.....	9
5.3	Environmentally sustainable material inputs.....	10
5.4	Human and ecologically friendly inputs.....	11
5.5	Informed selection of suppliers	12
6	Product manufacturing	13
6.1	Purpose.....	13
6.2	Environmental policy and management.....	13
6.3	Conservation of energy resources	14
	Table 6.1 – Energy Input Percent Reduction Threshold.....	15
6.4	Management of water resources	15
6.5	Optimization of material resources	16
6.6	Protection of air resources	17
7	Long-Term Value.....	17
7.1	Purpose.....	17
7.2	Fitness of purpose.....	17
7.3	Protection of indoor air quality	18
7.4	Compatibility with green cleaning strategies.....	18
8	End of Life Management	19
8.1	Reclamation feasibility	19
8.2	Reclamation and stewardship.....	19
9	Corporate Governance	21
9.1	Purpose.....	21
9.2	Public commitment to sustainability	21
9.3	Employer responsibility	23
9.4	Community engagement.....	24
9.5	Financial leadership	25
9.6	Supplier audits	26
10	Innovation	26

Annex A	A1
Annex B	B1
B.1 General	B1
B.2 Product certification process	B1
B.3 Suggested requirements for certifying organizations.....	B2

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 wallcoverings.

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.

² The information contained in this Foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this Foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

This page is intentionally left blank.

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.