

# LEN-TEX

WALLCOVERINGS

Beautiful. **Sustainable.** Durable.

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**Len-Tex Corporation** is a leading manufacturer of contract wallcoverings, providing an extensive range of design options for the hospitality, healthcare, corporate, institutional and retail markets.



Since our founding in **1983**, our family-owned company has remained dedicated to producing beautiful, durable wallcoverings which promote healthier indoor air quality (IAQ). We believe in product transparency and continue to make third-party certifications a priority.







And with **100%** of our product components - including films, inks, coatings, adhesives, and fabrics - being exclusively made in the U.S.A., we are proud to play a part in safeguarding American jobs.

# Cleaner Chemistry, Cleaner Air.

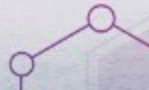
Clean Air

**We have eliminated the elements of most concern to health and Indoor Air Quality.**

Len-Tex Corporation is dedicated to producing wallcoverings that promote healthier Indoor Air Quality (IAQ).

Our innovative Clean Vinyl Technology® formulation addresses the chemicals and associated health risks typically found in vinyl wallcoverings and identifies the safe alternatives used in CVT®.

**Len-Tex Clean Vinyl Technology® demonstrates our commitment to continuous improvement of our vinyl wallcoverings.**





# Which chemicals were eliminated?

**Phthalates** Commonly used as a plasticizer/softener in film and inks, phthalates are classified as endocrine disruptors; exposure to phthalates has been reported to result in increased incidence of development abnormalities.

**Barium** A film stabilizer; may cause gastrointestinal problems and muscle weakness.

**Antimony** A film fire retardant, antimony is recognized as a carcinogen under CA Prop 65; it is linked to skin and eye irritation, inflammation of the lungs, bronchitis and emphysema.

**Arsenic** A biocide/anti-microbial, arsenic is a recognized carcinogen and development toxicant (CA-P65) linked to cancer, gastrointestinal effects, nervous system disorders and skin irritations.

**Formaldehyde** Used as a preservative in inks and coatings, formaldehyde is linked to eye, nose and throat irritation, wheezing and coughing, fatigue, skin rash and allergic reactions.

**Phenol** A volatile organic compound, phenol is commonly used as a film stabilizer. May cause irritation to the skin, eyes and mucous membranes.

# What were these chemicals replaced with?

**Phthalates**



**Bio-Based & Citrate plasticizer**

**Barium**



**Calcium**

**Antimony**



**Aluminum trihydrate (ATH)**

**Arsenic**



**UltraFresh®**

**Formaldehyde**



**Formaldehyde-free inks and coatings**

**Phenol**



**Ultra-low-emitting stabilizer system**



# Clean Vinyl Technology®

## Certifications & Compliance

### SCS Indoor Advantage Gold

SCS Indoor Advantage™ Gold, certified from SCS Global Services, a world leader in providing environmental standards and certification for indoor air quality measurements.

Len-Tex wallcoverings meet the criteria of the most stringent threshold for indoor emissions, CA Section 01350, based on human health standards.



**INDOOR ADVANTAGE GOLD  
BUILDING MATERIALS**

The testing protocols follow EPA and ASTM methods to measure concentrations of individual VOCs that are known health risks, within the Chronic Reference Exposure Levels (CRELs) of the state of California.

## CA 01350 and CHPS

Len-Tex wallcoverings are tested under California's CDPH/EHLB/Standard method V1.2,2017. We specify a 14 day test to identify VOC's, aldehydes and TVOCs. Our PASS rating allows use in classroom, single family residence and private offices.



Certified to meet the Low-Emitting Materials criteria of the Collaborative for High Performance Schools (CHPS section 01350) for use in a typical classroom.

View our CHPS certification on the Len-Tex website:



# Len-Tex CVT Wallcoverings

## Support LEED v4 Credits

Len-Tex wallcoverings with Clean Vinyl Technology® (CVT) are eligible within the LEED rating system for both new construction (LEED-NC) and commercial interiors (LEED-CI) projects. LEED rates projects, not products, therefore a product cannot carry its own LEED rating. However, the use of Len-Tex wallcoverings may contribute to LEED points in several categories. LEED credits are earned when a product or group of products are combined to achieve a specific end result (indoor air quality, recycled content, etc).

### **Building Product Disclosure and Optimization**

#### **MR Credit Option 1 | Material Ingredient Reporting**

This credit rewards project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances. Our CVT wallcoverings have a complete, published Health Product Declaration (HPD) with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.

### **Low-Emitting Materials**

#### **EQ Credit Option 1 | Ceilings and Wall Systems**

Wallcoverings installed must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.2-2017 for VOC emissions. Len-Tex Clean Vinyl wallcoverings meet this specification and may contribute to this credit.

### **Low-Emitting Materials**

#### **EQ Credit Option 1 | Interior Adhesives and Sealants**

Wallcoverings installed using compliant, low-emitting adhesives may contribute to this credit. Len-Tex Clean Vinyl wallcoverings installed with recommended Roman ECO adhesives reduce indoor air contaminants and may contribute to this credit.





## CA Prop 65 Compliant

The California Prop 65 program is administered by the Office of Environmental Health Hazard Assessment (OEHHA) and requires manufacturers to label their products if they contain any of the 900+ chemicals included in the Prop 65 listing, believed by the State of California to cause cancer or reproductive harm.



**Len-Tex wallcoverings incorporating Clean Vinyl Technology® have been tested and are in compliance, i.e. do not require labeling for toxic chemicals or reproductive harm.**

# GreenCircle Certified®

GreenCircle is an internationally recognized third-party certification entity whose thorough evaluation process provides independent verification that sustainability claims related to an organization's products and operations are honest, valid, and verified.

## Our Certified Environmental Facts® Labels

The labels below show a breakdown of Certified Environmental Facts® for all of our wallcoverings. All of our Certified Environmental Facts® labels are available to view and download on our website.

Certified Environmental Facts®	
Company: Len-Tex Corporation	
Product: Clean Vinyl Technology Wallcoverings with Woven Backing	
Facility Location: North Walpole, NH	
Certification Period: August 1, 2020 - July 31, 2023	
Certification Number: 22-0422	
Product Specific:	
Embodied Carbon (kg CO <sub>2</sub> eq/m <sup>2</sup> ) <sup>1</sup>	2.0
Bio-based Content <sup>2</sup>	25%
Take Back Recycling Program <sup>3</sup>	Yes
Published Environmental Product Declaration (EPD) <sup>4</sup>	Yes
Low-Emitting Materials <sup>5</sup>	Yes
SCS Global Services <sup>6</sup>	Indoor Advantage Gold
CA Prop 65 Compliant <sup>7</sup>	Yes
Material Ingredient Reporting:	
Health Product Declaration (HPD) <sup>8</sup>	Yes
Manufacturing Specific <sup>9</sup> :	
Carbon Footprint Reduction <sup>10</sup>	1%
Waste to Landfill Reduction	6%
Waste Diversion from Landfill <sup>11</sup>	36%
Baseline Period: August 2015 - July 2016	
Evaluation Period: August 2018 - July 2019	
For more information on the Certified Environmental Facts of this product, please contact: info@GreenCircleCertified.com	
www.GreenCircleCertified.com	
	

Certified Environmental Facts®	
Company: Len-Tex Corporation	
Product: Clean Vinyl Technology Wallcoverings with Non-Woven Backing	
Facility Location: North Walpole, NH	
Certification Period: August 1, 2020 - July 31, 2023	
Certification Number: 21-05100	
Product Specific:	
Total Recycled Content <sup>1</sup>	3%
Pre-Consumer	0%
Post-Consumer	3%
Embodied Carbon (kg CO <sub>2</sub> eq/m <sup>2</sup> ) <sup>2</sup>	1.9
Bio-based Content <sup>3</sup>	38%
Take Back Recycling Program <sup>4</sup>	Yes
Published Environmental Product Declaration (EPD) <sup>5</sup>	Yes
Low-Emitting Materials <sup>6</sup>	Yes
SCS Global Services <sup>7</sup>	Indoor Advantage Gold
CA Prop 65 Compliant <sup>8</sup>	Yes
Material Ingredient Reporting:	
Health Product Declaration (HPD) <sup>9</sup>	Yes
Manufacturing Specific <sup>10</sup> :	
Carbon Footprint Reduction <sup>11</sup>	1%
Waste to Landfill Reduction	6%
Waste Diversion from Landfill <sup>12</sup>	36%
Baseline Period: August 2015 - July 2016	
Evaluation Period: August 2018 - July 2019	
For more information on the Certified Environmental Facts of this product, please contact: info@GreenCircleCertified.com	
www.GreenCircleCertified.com	
	

GreenCircle is ISO 17065 compliant, following industry requirements for bodies certifying products, processes, and services; and is recognized by both the United States Green Building Council (USGBC) and the International Living Future Institute (ILFI) as a valid third-party certification entity. In today's demanding market, third-party certification is a valuable asset in establishing brand integrity and developing consumer confidence.

# Len-Tex Health Product Declaration

**Len-Tex is committed to full transparency** in all our product's chemistry. We have taken a leadership role in the wallcovering industry by publishing a Health Product Declaration (HPD) for the wallcoverings we manufacture.



An ingredient disclosure system based on *facts*, not opinions.



The Health Product Declaration (HPD) is an open-source standard format for reporting material content and associated health information for building products and materials.

Developed in collaboration with manufacturers and end users, HPDs empower customers to make informed choices regarding building materials by providing full disclosure of potential chemicals of concern by comparing product ingredients to a variety of "hazard" lists published by government authorities and scientific associations.

## Key features of the Len-Tex HPD:

- **Full disclosure** of chemical components used in the manufacture of our wallcoverings, down to 1,000 ppm
- **Eligible for LEED v4 credit: Material Ingredients Reporting**
- **Allows specifiers to make informed decisions on product options that affect human & ecological health**





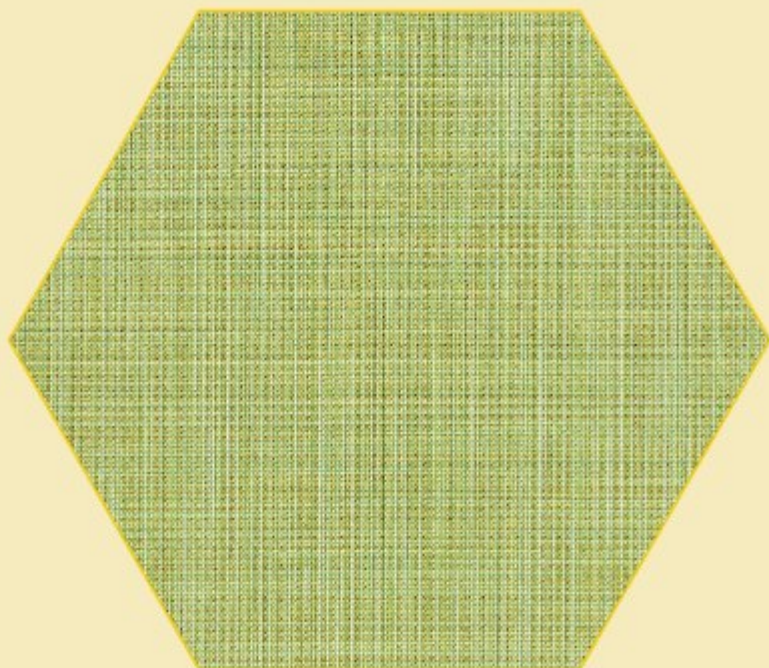
# Environmental Product Declaration

**Len-Tex Wallcoverings EPD is certified by  
SCS Global Services.**

Len-Tex has partnered with SCS Global Services in the development and publication of a company-specific Environmental Product Declaration (EPD) for the wallcovering products we manufacture.

This EPD conforms to ISO 14025, 14040, ISO 14044, and EN 15804.

It is recognized for contributing credits in the LEED v4 Material and Resources Credit 2.



Visit the link below to see the Len-Tex EPD for Vinyl Wallcoverings

# Ultra-Fresh® Antimicrobial Wallcovering Protection

Ultra-Fresh



**All Len-Tex wallcoverings incorporate the proven effectiveness of Ultra-Fresh® Antimicrobial Protection.**

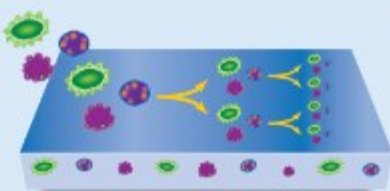
Ultra-Fresh® is an EPA-registered compound that is added to the wallcovering substrate during the manufacturing process.

It provides a long-term solution for microbial protection and product cleanliness by inhibiting the growth and reproduction of bacteria and other harmful microorganisms that can cause odors, staining, and deterioration.

Ultra-Fresh® extends the life and durability of the wallcovering by protecting at full strength over the life of the product.

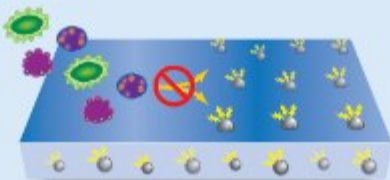


**Ultra-Fresh®**  
Controls the spread of  
bacteria, mold and mildew  
throughout the life  
of the product



**▲ Untreated Wallcovering**

Allows the growth of microbes and fungi, resulting in odor, decay and deterioration of the product over time.



**▲ Ultra-Fresh® Treated Wallcovering**

Ultra-Fresh® biostatic agent disrupts microbe and fungi production and migration, therefore preventing microorganisms from growing and multiplying.



# Len-Tex AQUA-CLEAR Water Based Topcoat

Aqua Clear

In 1994, Len-Tex introduced a proprietary formulation of 100% urethane polymers to seal the surface of our wallcoverings.

The result was Aqua-Clear — a water-based, Teflon-free topcoat with exceptional resistance to abrasion and staining.

**Extraordinary performance** without the use of any harmful **PFAS** chemicals!



## AQUA-CLEAR

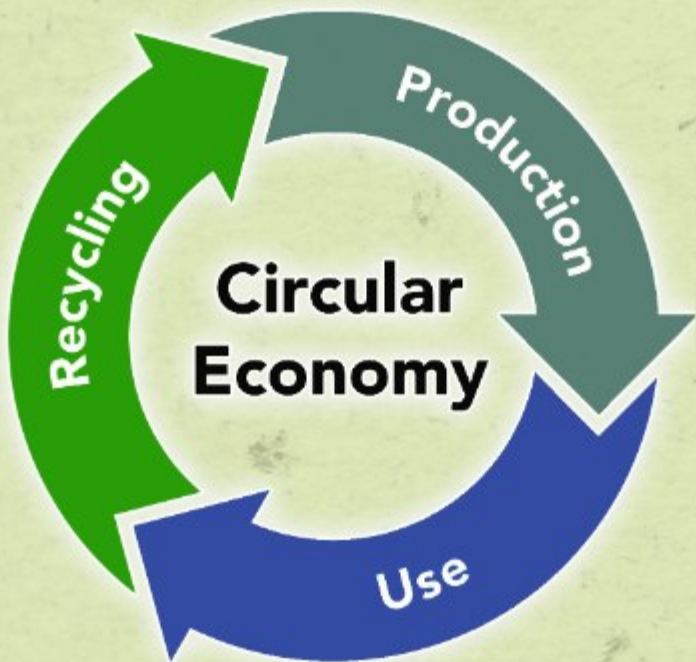
Water-Based Topcoat

The most recent formulation, Aqua-Clear 3.0, was revamped and formulated as an ultra-low emitting, water based protective top coat with **enhanced product features such as:**

- **Improved abrasion resistance**
- **Excellent resistance to common staining agents**
- **Cleanable with bleach solution**
- **Non-yellowing surface**
- **PFAS free**

We do our part to support a circular economy by recycling or returning the following for re-use:

- scrap material
- scrap raw vinyl
- cardboard cores
  - pallets
  - wedges
  - foam
- caged totes



## In-Process Material Recycling

Len-Tex employees recycle backed and non-backed vinyl, and edge trim during manufacturing.



## End of Life Recycling Program

The Len-Tex End-Of-Life Return Program supports our commitment to minimize environmental impact by focusing on the eventual disposal of our wallcoverings.

Through this program, we will accept our recovered fabric backed vinyl wallcovering at the end of its useful life, to be recycled into new building materials.



**We care** about our impact  
on the environment.

**That's why  
we recycle**  
approximately



**500,000 lbs**

of raw vinyl and  
edge trim annually.

That's **250 tons** diverted  
from landfills **every year.**

## **Glossary of Len-Tex Wallcoverings Certifications and Testing**

- SCS Global Indoor Advantage Gold Building Product – Low Emitting Materials
- Green Circle Certification – CEF – Certified Environmental Facts
- Health Product Declaration – HPD Version 2.2, LEED Eligible
- Environmental Product Declaration – EPD Verified by SCS Global, LEED Eligible
- WA Quality Standard for Polymer Coated Fabric Wallcovering – Conforming
- BS EN15102 – 2019 - Conforming
  
- ASTM E-84 Steiner Tunnel Test – Class A Rating
- NFPA 286 Corner Burn Test – PASS
- CAN/ULC S102-10 – Class A Rating
- EN 13501-1 – B-s2, d0 Rating
- ASTM D6866-21 Bio-Based Content: Nonwoven Backing=38%/Woven Backing-25%
- ISO 22196 Antimicrobial Test 24 Hour: E coli Reduction=99.997%  
S aureus Reduction=99.999%
- ASTM D3421-75 Prescence of Phthalates – PASS (None Detected)
- ASTM G-21 Resistance to Fungal Growth – 28 Day Test=0 Fungal Growth
- ASTM E-96 Water Vapor Transmission – 192 Hours=17.84 Permeance Rating
- MEA #381-93M Accepted for use by New York City Dep't of Buildings



# LEN-TEX

## WALLCOVERINGS

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For Decorative Interiors



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