



GreenScreen Certified™ Standard for Furniture & Fabrics v1.1

WEBINAR

MARCH 2022

Clean Production Action – solutions for a safer & healthier tomorrow



BIZNGO FOR
SAFER CHEMICALS &
SUSTAINABLE MATERIALS



INVESTOR
ENVIRONMENTAL
HEALTH NETWORK

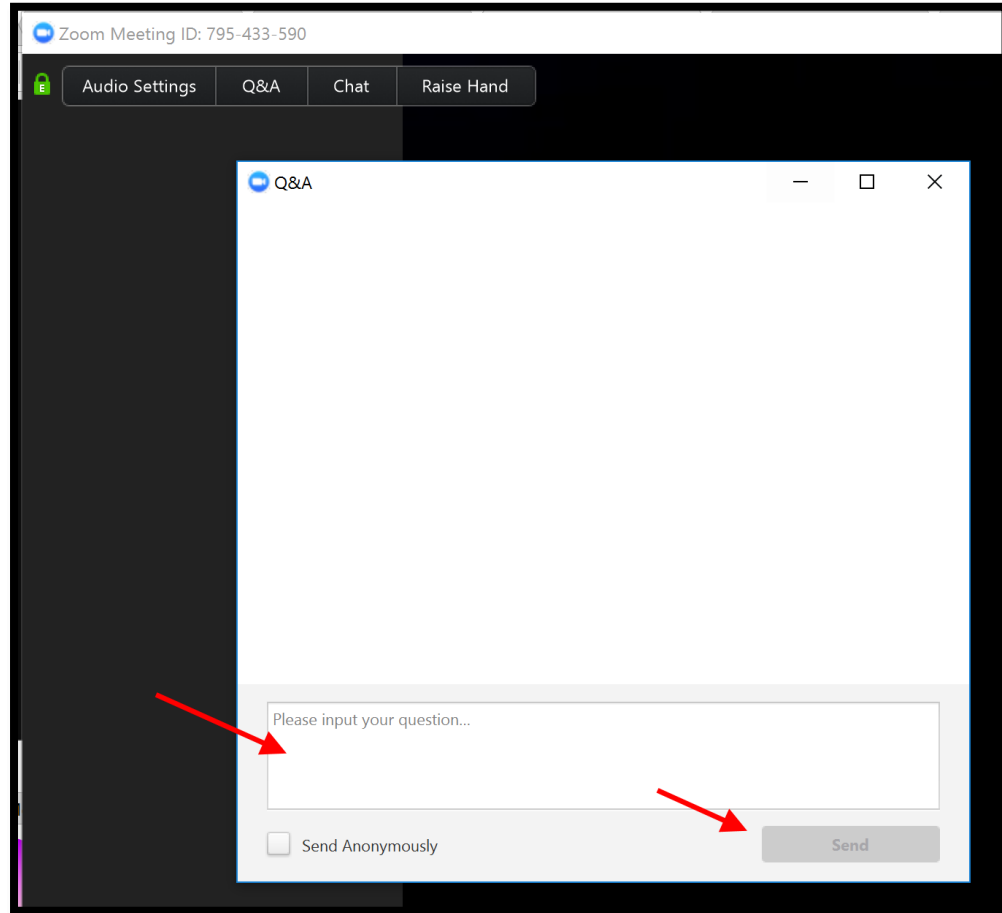


GREENSCREEN
FOR SAFER
CHEMICALS



CHEMICAL
FOOTPRINT
PROJECT

Webinar Questions



Post your question to the Q&A section of your Zoom Control Panel

Presentation and recording will be available at greenscreenchemicals.org

Speakers



Shari Franjevic

GreenScreen Program Manager

Clean Production Action



Joel Sigler

*Director, National Environmental
Health and Safety*

Kaiser Permanente



Betsy Phillips

Director of Strategic Partnerships

Maharam



Heather Covert

Sustainability Manager

Glen Raven

Outline

1. GreenScreen Certified™ Furniture & Fabric – what's new?
2. Value to Health Care Providers
3. Value to Manufacturers
4. Q&A



GreenScreen Certified™ Standard for Furniture & Fabrics v1.1

SHARI FRANJEVIC

GREENSCREEN PROGRAM MANGER

SHARI@CLEANPRODUCTION.ORG



Material Health Matters

High levels of toxic flame retardant chemicals found in dust inside college classrooms

by Silent Spring Institute



Credit: CC0 Public Domain

<https://phys.org/news/2020-09-high-toxic-flame-retardant-chemicals.html>

Your furniture may contain harmful chemicals

New research finds that children living in homes with vinyl flooring or sofas that contain flame retardants have traces of potentially harmful toxins in their urine or blood.

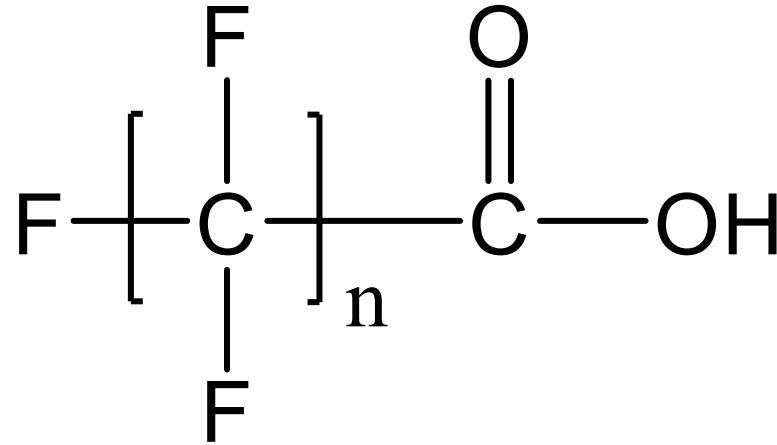


New research suggests that sofas and vinyl floors, in particular, contain substances that may harm children's health.

<https://www.medicalnewstoday.com/articles/324511>

PFAS: Per- and Polyfluoroalkyl Substances

PFAS



Carbon-fluorine bond is strongest in organic chemistry

Why are PFAS Such a Big Deal?

- Do not break down in the environment
- Can move through soils and contaminate drinking water sources
- Build up in fish, wildlife, and our bodies
- Health concerns at low exposure levels
 - pregnancy-induced hypertension
 - liver damage
 - increased cholesterol
 - thyroid disease
 - immune system harm



GreenScreen Certified for Furniture & Fabrics

V1.0 2020
V1.1 2021



Furniture & Fabrics



Technical Peer Reviewers

Alex Misna, Technical Services Manager,
Kimball International

Anne McManus, Senior Sustainability
Engineer, Haworth

Betsy Phillips, Director of Strategic
Partnerships, Maharam

Elizabeth Eldridge, Director of Sustainable
Sourcing, Kaiser Permanente

Jane Abernethy, Chief Sustainability Officer,
Humanscale

Jennifer Mason MacDaniel, Principal Interior
Designer, Kaiser Permanente

Joel Sigler, Director, National Environmental,
Health & Safety, Kaiser Permanente

Judy Levin, Pollution Prevention Director,
Center for Environmental Health

Kelsey Balka, Design for Environment
Engineer, Herman Miller

Luke Zhou, Lead Sustainable Materials
Specialist, Humanscale

Veena Singla, Senior Scientist,
Natural Resources Defense Council

William Paddock, Managing Director,
WAP Sustainability

Yoav Einy, Director, Environmentally
Preferred Purchasing, Vizient



Simplifying the Complexity of Chemical Hazard

To support informed, proactive, and precautionary decision-making



Chemicals

Products

GreenScreen: Globally Recognized & Used

LEVI STRAUSS & CO.



DEPARTMENT OF
ECOLOGY
State of Washington

Ø ZDHC
Zero Discharge of
Hazardous Chemicals



Why GreenScreen Certified?



- Independent, non-profit organization
- Comprehensive and detailed evaluation
- Easy to understand accreditation
- Avoids regrettable substitutes
- Creates a roadmap

Facilitates Communication



All Fabrics Verified PFAS-free

NEW!



1. Three samples/lots tested at a commercial analytical laboratory
2. Testing for all PFAS by measuring total fluorine
3. < 100 ppm total fluorine
4. Ongoing testing required for shared processes

Disclosure under Confidentiality



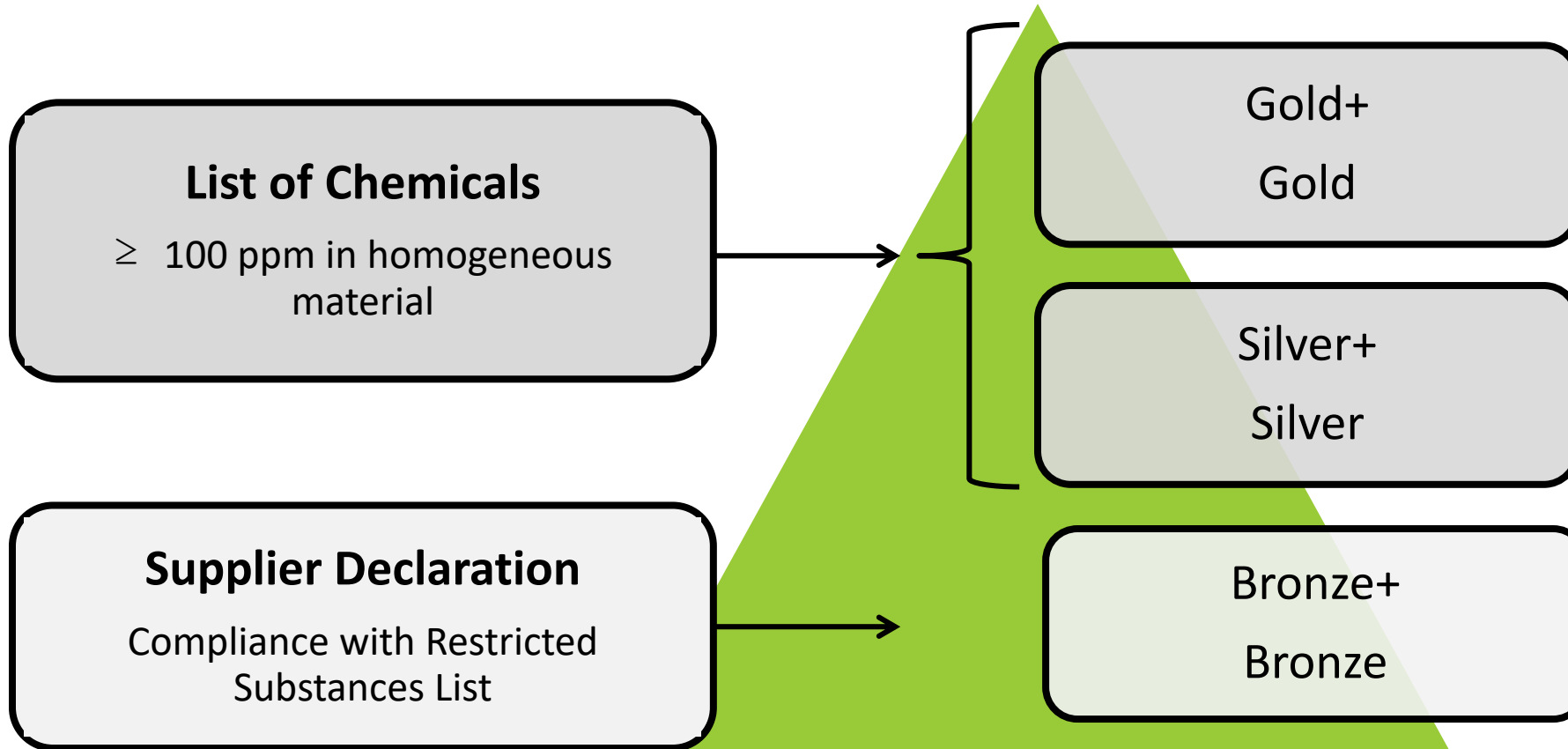
**CONFIDENTIAL
DISCLOSURE
AGREEMENT**

All **materials** present in the product at any level must be disclosed under confidentiality.

E.g., polypropylene, steel, nylon fabric, adhesive

All **chemicals** present in all materials must be disclosed – requirements depend on certification level

Chemicals Disclosed



Prohibits Chemical Classes of Concern



- Per- and Polyfluoroalkyl Substances (PFAS)
- Bisphenols
- Ortho-phthalates
- Flame retardants (non-electronics)
- Antimicrobials
- Specific metals and their compounds
- Polyvinyl chloride (PVC)
- Specified Authoritative Government Lists

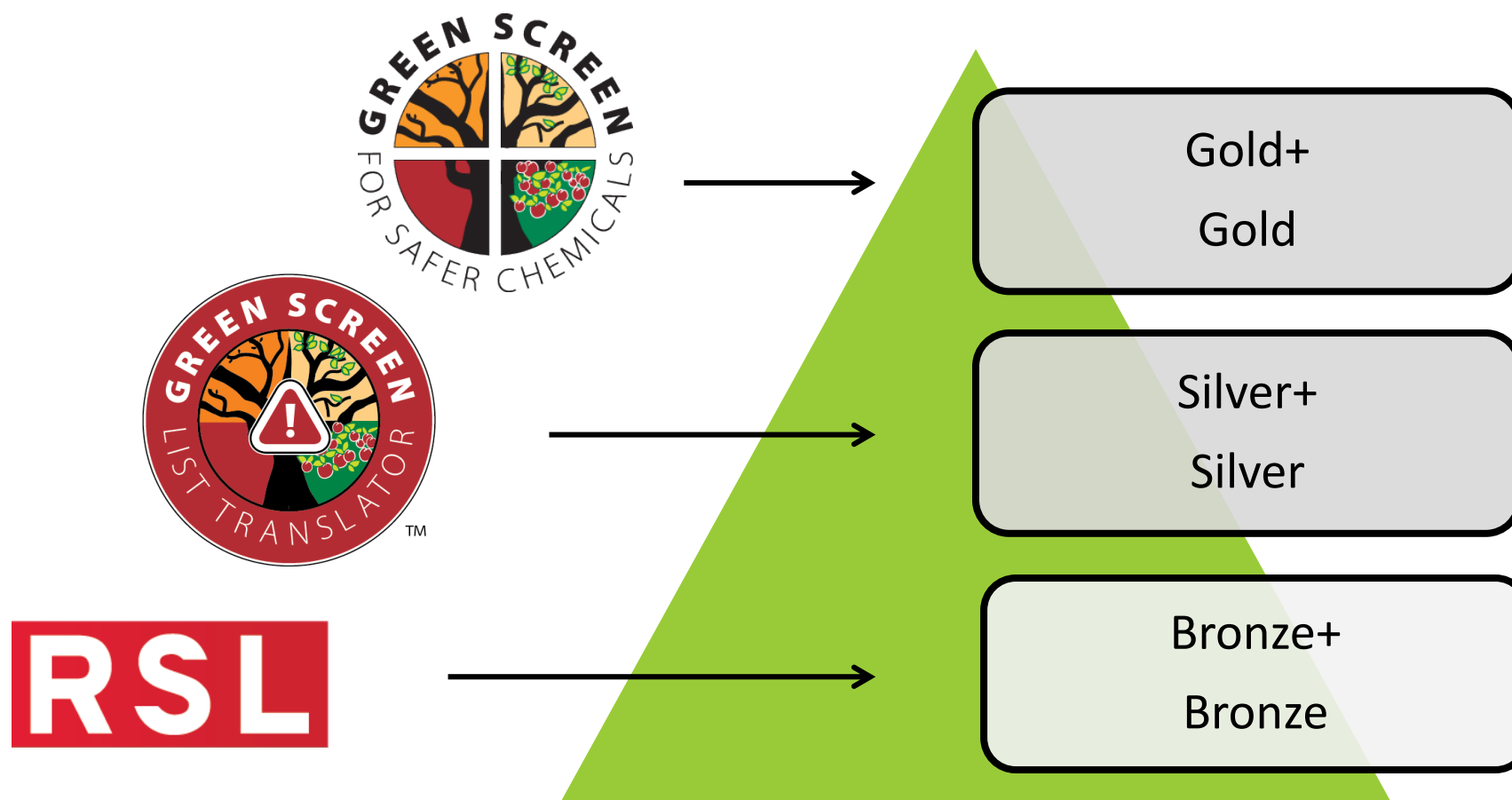


Avoids Chemicals of High Concern



- **CMRs =**
 - Carcinogens,
 - Mutagens, or
 - Reproductive / Developmental Toxicants
- **PBTs =**
 - Persistent, and
 - Bioaccumulative, and
 - Toxic
- **Equivalent Concern =**
 - Endocrine Disruptors

Chemicals Assessed



Other Considerations

1. Sustainability Requirements

- Indoor Air Quality (VOCs), Sustainably Sourced Wood, Waste & Recyclability
- Aligned with Kaiser Permanente Environmentally Preferable Purchasing Standard

2. Material Specific Considerations

- Pragmatic criteria to address specific needs and constraints
- Minor Fasteners, Undefined Post-consumer Recycled Content (PCR), Electronic Components, Polytetrafluoroethylene (PTFE) in Powder Coats , Metal Parts e.g., metal alloys, Form Specific Hazards e.g., carbon black

List of GreenScreen Certified™ Products

<https://www.greenscreenchemicals.org/certified/products/category/furniture-fabrics/>

GreenScreen Certified™



You are here: [Home](#) / [Certified](#) / [Certified Products](#) / [Furniture & Fabrics](#)

GreenScreen Certified™ Products > Furniture & Fabrics

Company ▾	Product Type ▾	Product ▾	Level ▾	Version & Certificate# ▾	Expires ▾	Notes ▾
Herman Miller Inc.	Furniture & Fabrics Furniture	Tu® Metal Pedestal	Bronze	v1.0 #20201012	2025-09-30	W-Pull Mobile, LW110.20BFSRSS8QKC4MH1 Herman Miller Inc.
Glen Raven Inc	Furniture & Fabrics Fabric	Sunbrella with Assure - specified patterns (see product codes in	Bronze	v1.1 #20221001	2027-07-31	FF 87009-001 to FF 87009-008 Glen Raven, Inc.
Maharam	Furniture & Fabrics Fabric	Arcade	Bronze	v1.1 #20221003	2027-07-31	466447/001 to 466447/005 Maharam

NEW!

NEW!



Steps to Certification

<https://www.greenscreenchemicals.org/certified/get-certified>

1. Pre-Registration
2. Registration
3. Application
4. Evaluation
5. Certification



GreenScreen Certified™ for Furniture & Fabrics

1. Verifies claims of no PFAS and use of preferred chemistry
2. Builds upon gold standard GreenScreen tools
3. Meets Kaiser Permanente's Environmentally Preferable Purchasing
4. Restricts classes of chemicals of concern
5. Enables use of Health Product Declaration (HPD) Open Standard
6. Aligns with US Green Building Council's LEED standard
7. Provides clear steps on journey to increasingly preferable products

THANK YOU!

Slides from the webinar will be posted on the website

Contact Clean Production Action:

Shari Franjevic

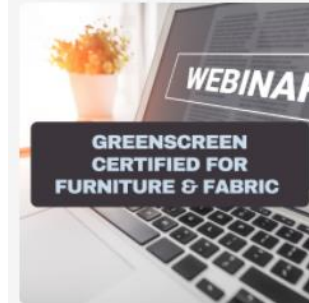
shari@cleanproduction.org

certifications@cleanproduction.org

<https://www.greenscreenchemicals.org/>

GreenScreen Certified™ Standard for Furniture & Fabrics

[Hazardous chemicals used in furnishings and fabrics can affect our health](#), especially children's health. GreenScreen Certified™ Furniture & Fabrics are PFAS-free, use safer chemistry and meet the specifications of Kaiser Permanente - a leader in setting standards for environmentally preferable purchasing in the US healthcare sector.



Webinar

Register for the webinar [Read More](#)



Find Certified Products

View our complete list of GreenScreen Certified furniture & fabric products [Read More](#)

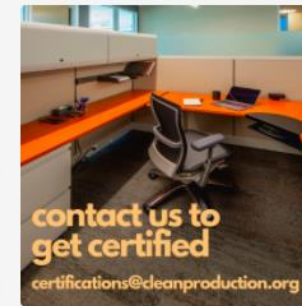


Standard

Download the standard [Read More](#)



Factsheet



Get Certified



Read Our Blog

In this section

[GreenScreen Certified™](#)

[FAQ](#)

[Get Certified](#)

[Furniture & Fabrics](#)

[Firefighting Foam](#)

[Textile Chemicals](#)

[Cleaners & Degreasers](#)

[Food Service Ware](#)

[Reviewers](#)

[Certified Products](#)

Learn More

<https://www.greenscreenchemicals.org/certified/furniture-fabrics>

Kaiser Permanente Sustainable Sourcing for **Furniture & Fabric**

Joel Sigler, CSP

National Environmental Program Leader

March 23, 2022

About Kaiser Permanente

Kaiser Permanente is one of the nation's largest not-for-profit health plans, serving 12.5 million members. At Kaiser Permanente, physicians are responsible for medical decisions. The Permanente Medical Groups, which provide care for Kaiser Permanente members, continuously develop and refine medical practices to help ensure that care is delivered in the most efficient and effective manner possible. **In 2020, Kaiser Permanente invested \$3.6 billion in its communities.**



12.5 Million Members



8 Markets



39 Hospitals



727 MOBs



216,000 Employees



Founded 1945



23,597 Physicians



63,847 Nurses



Environment and Health: Why we Care

- Where we live, the places we work and the air we breathe profoundly impact our health.
- **Now more than ever, it's clear that Kaiser Permanente's has a responsibility to address how climate changes health and mitigate future impacts.**
- The health disparities exacerbated by COVID-19 have further underscored that protecting the health of our planet and its people can no longer be treated as separate efforts.
- Creating a healthier, more sustainable path forward requires us to address these inseparable issues as one.



Safer Products:
KP will increase its purchase of
products and materials meeting
environmental standards to
50% by year 2025

Safer Products Goal

- Reduce and eliminate chemicals of concern
- Reduce health risks to our members and the community
- Reduce compliance risks

Performance and other business criteria must continue to be met!

Progression of Furniture and Fabric EPP Criteria at Kaiser Permanente



Targeted Chemicals

(e.g., PVC, flame retardants, PFAS)



KP EPP Standard for Furnishings and Fabrics



3rd Party Certification

(Greenscreen)

Environmental Preferable Purchasing Challenges



**BURDEN ON PURCHASER
TO DETERMINE IF A
PRODUCT IS "SAFE"**



**AVAILABILITY OF
INFORMATION FROM
SUPPLIER**



**PROPRIETARY
INFORMATION CONCERNS**



**DATA COLLECTION AND
MANAGEMENT**



**EVALUATING SUPPLIER
RESPONSES**



**VALIDATION OF SUPPLIER
INFORMATION**

Third Party Certification

KP seeks to identify and utilize third party certifications to help address EPP challenges

Examples:

- Green Seal (GS 37 for cleaning products)
- EPEAT Registry (Computers, Copiers)
- GreenScreen Certified (Furniture, Fabric)





Next Steps

KP will integrate Green Screen certification requirements into contractual agreements with Furniture and fabric suppliers. Example:

- *Within 12 months: at least one product/product line must receive certification that it has met one of six levels of requirements for safer chemicals in product formulations specified in the GreenScreen Certified™ Standard for Furniture & Fabrics v1.0: Bronze, Bronze+, Silver, Silver+, Gold, and Gold+; **or** product must receive certification that it met "GSC Reviewed" requirements but did not meet the certification requirements.*
- *Within X months: same as above for all products/product lines*



Thank you!

maharam



L. Nybo

IN

259 STATE ST.
PERTH AMBOY,
N. J.

COSTUMES
for
ALL OCCASIONS

1941 *"The House of Service"*
MAHARAM
FABRIC CORPORATION

6 E. LAKE STREET
CHICAGO, ILL.

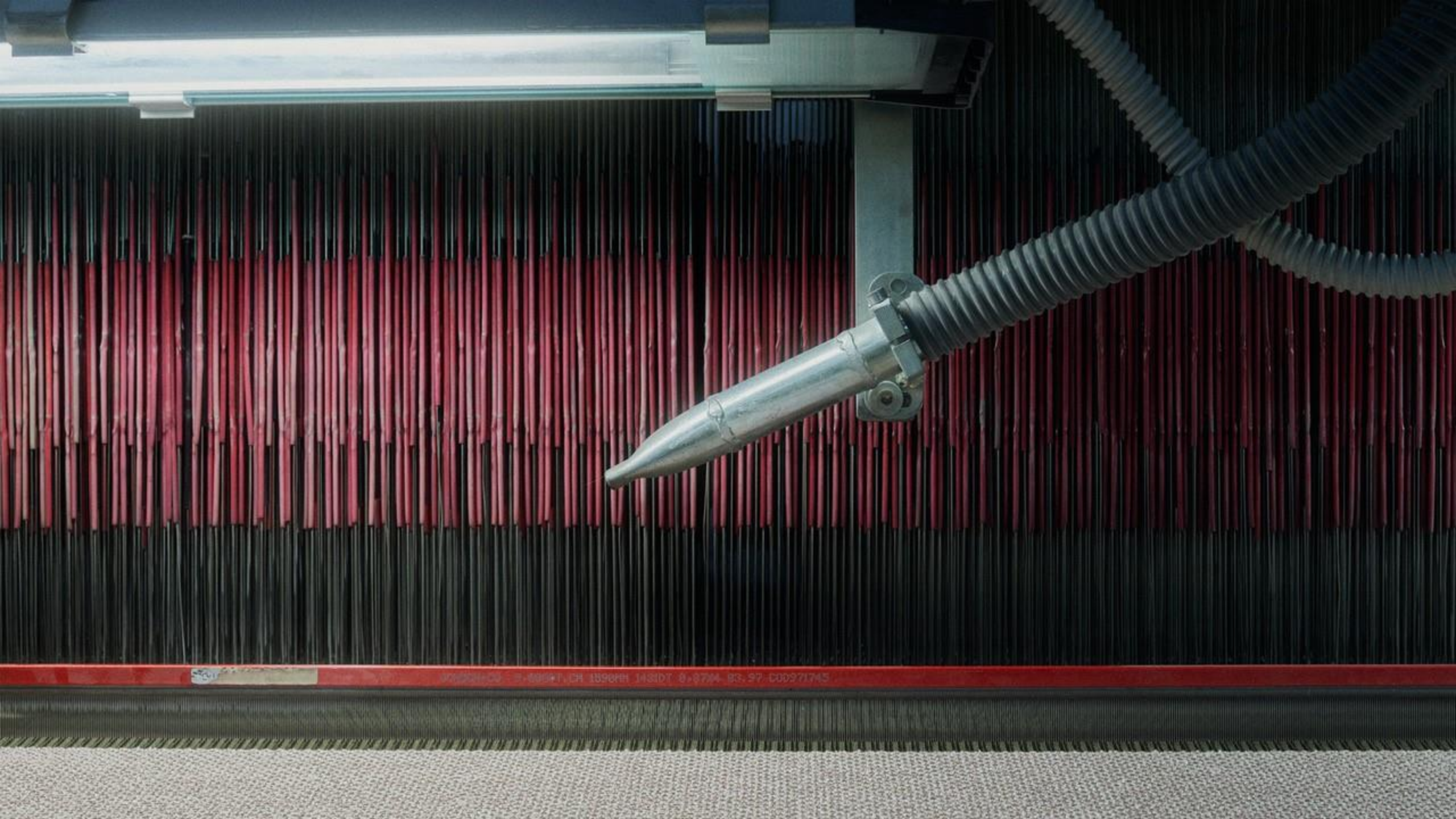
130 W. 46th STREET
NEW YORK, N. Y.

"Maharam Sets the Style for the Costume Parade"



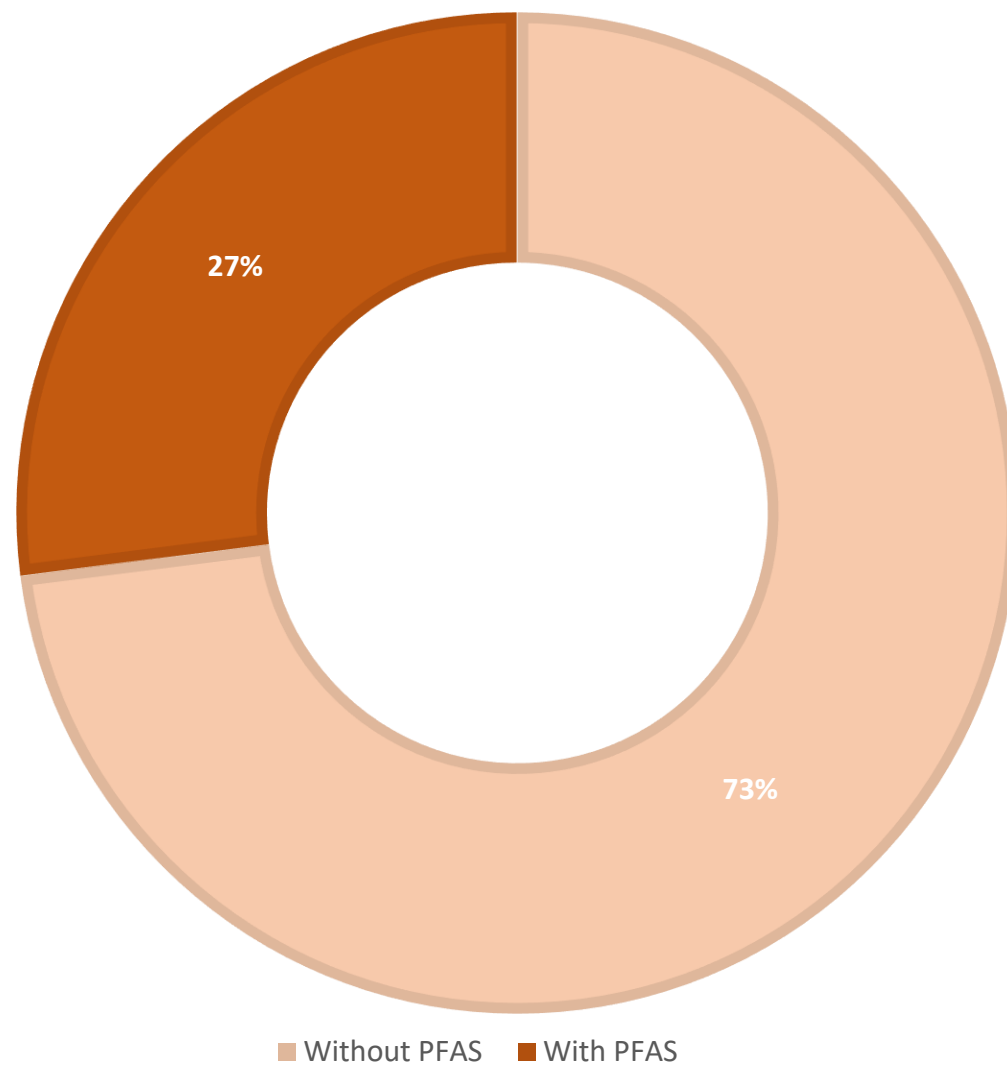






WAGNER-DR. 2-WEGE-1, CH 1896HR 1433DT 8-8794 83, 97, C00971745

PFAS Removal Progress





maharam

Glen Raven

GreenScreen Certified™
for Furniture and Fabrics

Heather Covert
Sustainability Manager

March 23, 2022



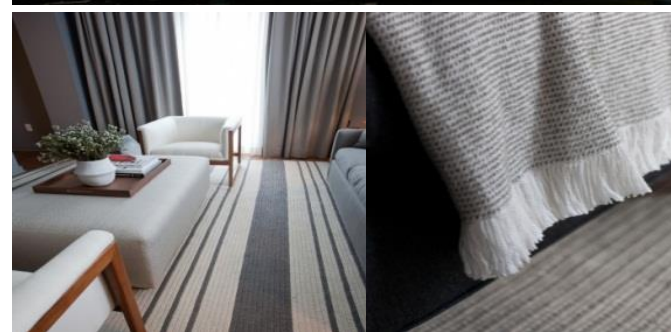
Who and Where are We?



Glen Raven locations



- Global focus on manufacturing, marketing, and selling performance textiles
- Markets we serve:
 - Awnings & Shades
 - Automotive
 - Marine
 - Indoor and Outdoor Upholstery
 - Residential outdoor rugs



In harmony with the environment

Glen Raven is committed to exceeding industry benchmarks for environmental stewardship. Through ongoing initiatives with our vendors, trade partners, and customers, we will continually stay in the forefront of protecting our environment while producing quality, high-performance textiles.

Our work is aligned to Support Our People and Communities, while also Sustaining Our Planet.

PROCESS ACHIEVEMENTS

25% Renewable Electricity Use, globally

No wastewater from any dyeing process

Zero-Waste-to-Landfill Procedures, 97% attainment for all facilities

LEED certified distribution center

B2B take-back program for 10 years
www.recyclemysunbrella.com - ~1 million lbs recycled so far

PRODUCT ACHIEVEMENTS - many fabrics achieve:

GREENGUARD Gold certification

STANDARD 100 by OEKO-TEX certification

Facts NSF336 certification

“Renaissance” fabrics with 20 - 97% recycled content

Non-Phthalate, Non-Conflict Mineral, Non-Lead

No requirement for a CA Prop 65 label

Compliant with EU REACH

All products:

What's Next?

Recognized the need in the healthcare space for non-PFOA fabric that also met the needs of Environmentally Preferred Purchasing (EPP) programs

No independent verification that products meet EPP specifications

Third-party certifications exist to many environmental and sustainability standards, none of these verify that fluorine is not intentionally added

Growing need to have third-party verification that the products meet the EPP requirements of Healthcare and Governmental Organizations

One state (Michigan) and one federal (US govt) level EPP program have been developed and launched, both excluding PFAS containing products from their programs

GreenScreen Certified™ for Furniture and Fabric standard meets these guidelines

Introducing Sunbrella Contract with Assure



- Greenguard Gold - good indoor air quality
- Facts Silver level certified to the ANSI/NSF 336 Multi-attribute Sustainable Commercial Furnishings Fabric Assessment - manufactured sustainably
- Standard 100 by OEKO-TEX® - tested for harmful substances and deemed safe for end use.
- GreenScreen Certified Furniture and Fabrics Standard - confirms that PFAS is not intentionally added



Introducing Sunbrella Contract with Assure



What We Admire About GSC

Independent, highly regarded, peer review
- CPA has been doing this for 20 years!

We release our ingredients for review, but our trade secret information remains confidential

Sets a transparent industry standard

Confirmation that we are not making a regrettable substitute with other concerns

Not just focused on PFAS, but thousands of other chemicals

Validates our commitment to sustainable products

Was it Easy?

- NO
- Suppliers not initially wanting to cooperate
- It helps to have rigorous supplier requirements and production protocols

Was it Worth It?

- YES
- Sets the products up for success long-term
- Easy for customers to identify our commitment to sustainable products



THANK YOU!

- ▶ I hope I have encouraged others to see that this certification could be possible for them
- ▶ We are excited to see how this new certification will advance the marketplace
- ▶ We look forward to what the future holds

Heather Covert | Sustainability Manager
BS ChE, MS Textile Technology, Authorized GreenScreen® Practitioner
Glen Raven, Inc
hcovert@glenraven.com
o:864.716.4427 | m:864.617.8467

Questions & Answers



THANK YOU!

Slides from the webinar will be posted on the website

Contact Clean Production Action:

Shari Franjevic

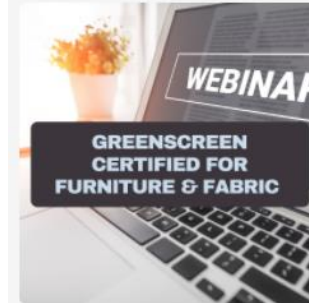
shari@cleanproduction.org

certifications@cleanproduction.org

<https://www.greenscreenchemicals.org/>

GreenScreen Certified™ Standard for Furniture & Fabrics

[Hazardous chemicals used in furnishings and fabrics can affect our health](#), especially children's health. GreenScreen Certified™ Furniture & Fabrics are PFAS-free, use safer chemistry and meet the specifications of Kaiser Permanente - a leader in setting standards for environmentally preferable purchasing in the US healthcare sector.



Webinar

Register for the webinar [Read More](#)



Find Certified Products

View our complete list of GreenScreen Certified furniture & fabric products [Read More](#)

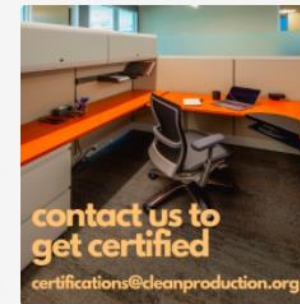


Standard

Download the standard [Read More](#)



Factsheet



Get Certified



Read Our Blog

In this section

- GreenScreen Certified™
- FAQ
- Get Certified
- Furniture & Fabrics
- Firefighting Foam
- Textile Chemicals
- Cleaners & Degreasers
- Food Service Ware
- Reviewers
- Certified Products

Learn More

<https://www.greenscreenchemicals.org/certified/furniture-fabrics>