



Sustainability

100+ Year Commitment

Milliken™

Milliken

Who we are

Who We Are: More than carpet... a community of innovators

Milliken™

You come into contact with a Milliken product up to 50 times a day



52 manufacturing facilities:

Located in the U.S, U.K, Belgium, France, China and Australia.

5 Continents:

Sales and service operations throughout the Americas, Europe, Asia, & Australia.

Milliken's over 7,000 associates work to create entirely new customer experiences, build for the future and create products that do good for the world.

Our Values

Milliken™

A strong foundation of safety forms an integral part of who we are.

Milliken has been recognized as one of the Safest Companies in America 3 Consecutive Times by EHS Today®

Milliken is the 1st 3 time winner resulting in an inaugural induction into America's Safest Companies Hall of Fame.

Recognized for 15 consecutive years.



A strong foundation of quality, ethics & environmental responsibility forms an integral part of who we are.



Milliken has been recognized as one of the World's Most Ethical Companies by *Ethisphere*™ Magazine every year since the first list in 2007. Now 12 consecutive years.



A Holistic Approach to Sustainability (Triple Bottom Line)

Milliken™



Milliken Flooring Global Sustainability Review

February 25, 2016



Products that Do Good



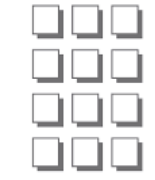
Responsible Manufacturing



Doing Good in the World



Why?



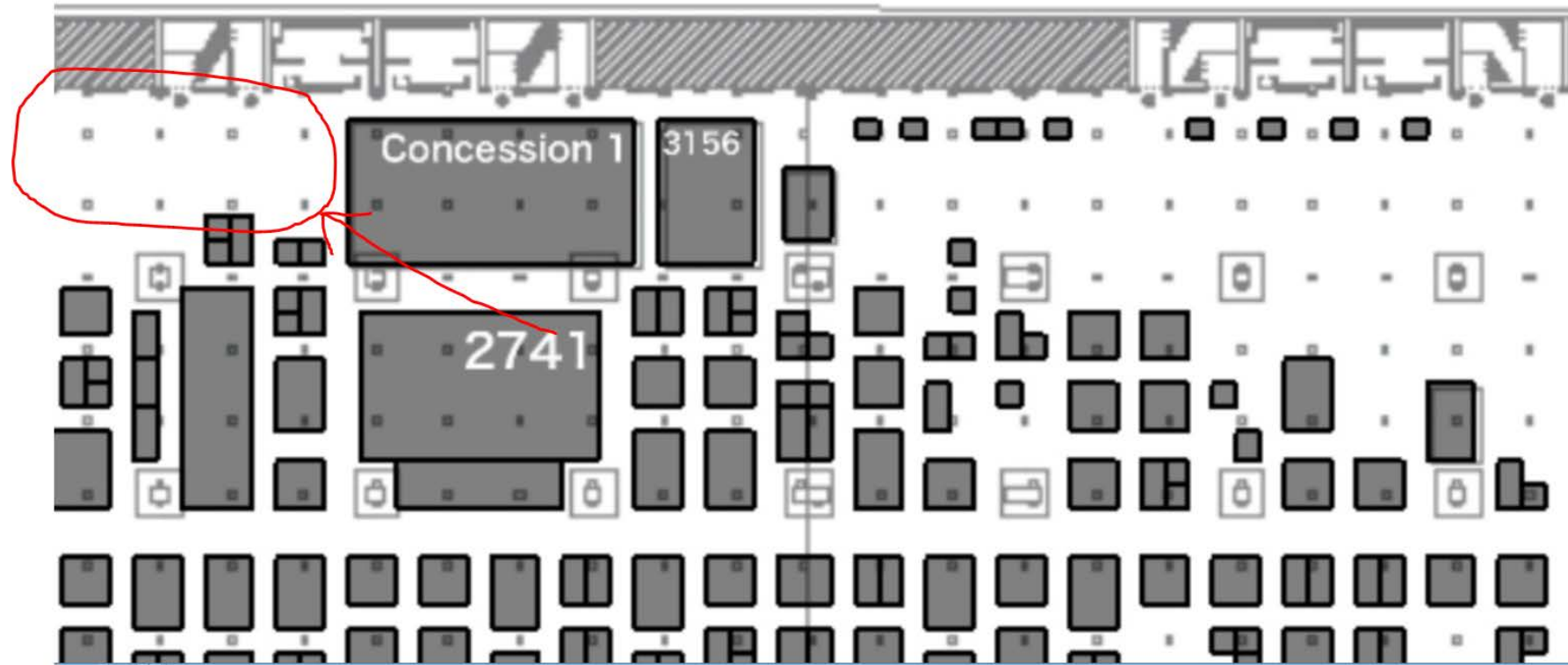
Value Chain Chemical Management (VCCM) System

Greenbuild 2015 - Washington, DC

Done

Expo Hall

When?





How?

1. Engagement of Suppliers

1. Pilot 2 Suppliers → **NO**

2. Direct Disclosure of Ingredients

1. US – 52 Suppliers → **NO**
2. ROW – 108 Suppliers (80%)

3. 60 days = 2+ years

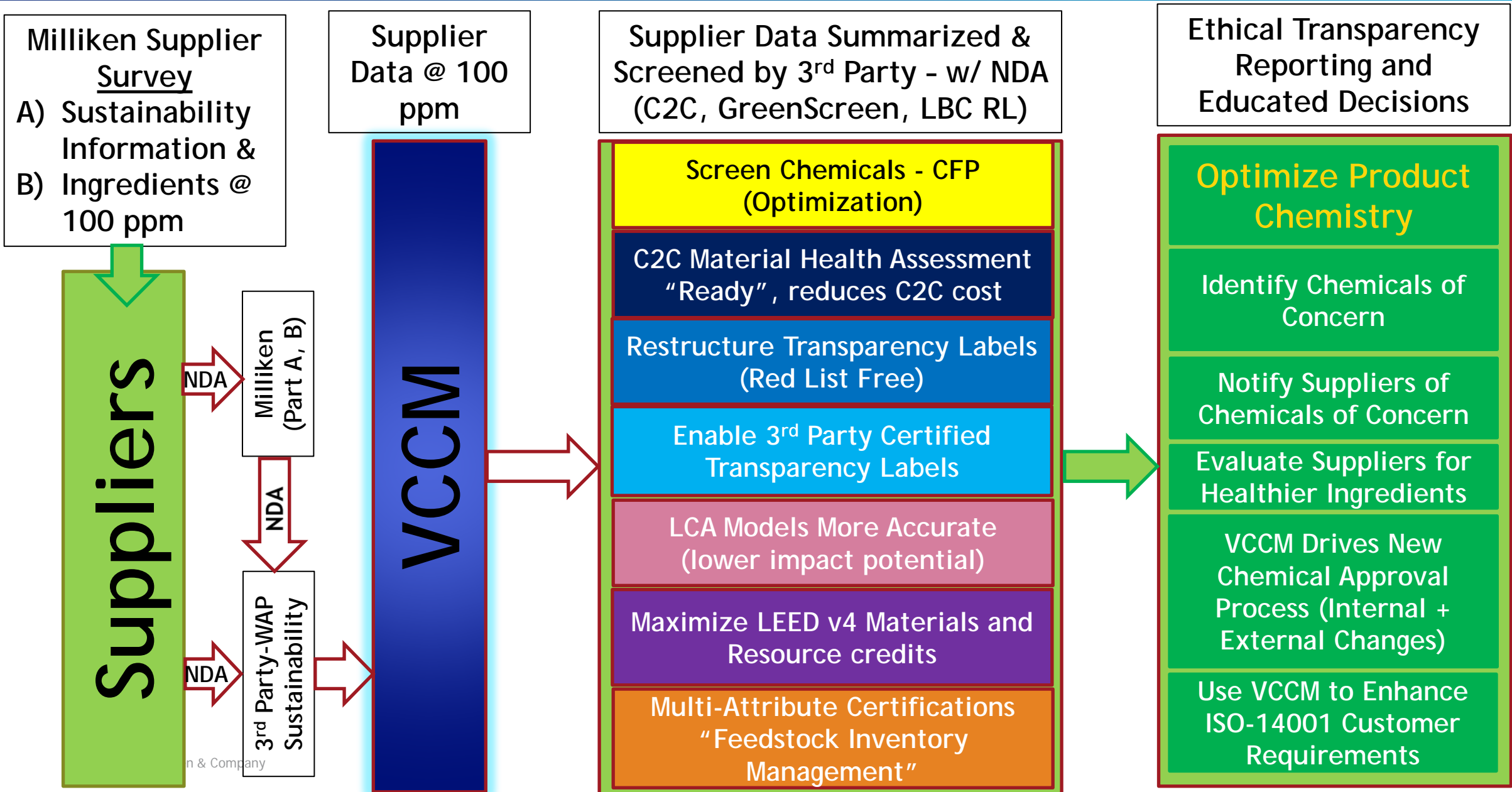
1. Building Supplier Trust (Universal Fibers Example)
2. 2 Remaining suppliers...Get onboard or Get out

4. Results:

1. Declare[®] Labels – 3rd Party Verified, Red List Free
2. Cradle to Cradle – Materials Health +
3. Health Product Declarations, 3rd Party Verified
4. Chemical Footprint Project

Value Chain Chemical Management System (VCCM)

Milliken



Global 3rd Party Verified Red List Free Declare

Modular Carpet Tile with Solution Dyed Nylon 6,6 Fiber



“Before” Label

Declare.

Modular Carpet with Nylon 6 Face and ES Polyurethane Cushion Backing
Milliken & Company
 Final Assembly: LaGrange, Georgia, USA
 Life Expectancy: 15-20 Years
 End of Life Options: Takeback Program, Salvageable/ Reusable in its Entirety

Ingredients:
 Celceram Filler, Nylon 6, Calcium Carbonate, Polyurethane, Bitumen, Styrene Butadiene Latex, Polypropylene, Polyethylene Terephthalate, Alkylated Cycloaliphatic Hydrocarbons, Fiberglass, Zinc Pyrithione, Propylene/Acrylic Acid Copolymer, Topical Stain Release: Proprietary (<1%)*

*LBC Temp Exception I10-E4 Proprietary Ingredients

Living Building Challenge Criteria:
 MKN-0002 VOC Content: N/A
 EXP: 07/01/2017
 VOC Emissions: CDPH Compliant
Declaration Status:
 LBC Red List Free
 LBC Compliant
 Declared

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
 INTERNATIONAL LIVING FUTURE INSTITUTE™ declareproducts.com

Living Building Challenge Criteria:
 MKN-0014 VOC Content: N/A
 EXP: 01 JAN 2019
 VOC Emissions: CDPH Compliant
Third Party Verified ✓
Declaration Status:
 LBC Red List Free
 LBC Compliant
 Declared

MANUFACTURER CLAIMS VERIFIED BY WAP Sustainability
 INTERNATIONAL LIVING FUTURE INSTITUTE™ declareproducts.com

- **Living Building Challenge Imperative 11**
 - Requires manufacturers disclose product ingredients at 100 ppm to ensure that they are free of Red List chemicals and materials
 - A complete list of ingredients ensures that project teams are specifying materials that are Red List Free or comply with a Red List exception
- **Living Building Challenge Imperative 14**
 - Manufacturer and raw material location help teams source local products that support regional economies

Milliken



PRODUCT DESCRIPTION:

Modular Carpet with Solution Dyed Nylon 6,6 Face Fiber with Underscore or Comfort Plus Backing.

Declare.

Modular Carpet Tile with Solution Dyed Nylon 6,6 Fiber
Milliken & Company

Final Assembly: LaGrange, GA, USA
 Life Expectancy: 15 Years
 End of Life Options: Recyclable (100%)

Ingredients:
 Backing: Aluminatesilicate, Bitumens, Polyethylene Terephthalate/Polybutylene Terephthalate, Calcium Oxide, Polypropylene, Styrene-Butadiene-Vinylidene Chloride Based Polymer, Styrene-Butadiene Copolymers, Fiberglass, Hydrocarbons, c6-20, Polymers, Hydrogenated, Potassium Oxid, 2-Propenoic Acid, Polymer with 1-Propene, Nylon 6, Salt of Polycarboxylic Acid, Antimony Oxide (Trioxide), Stearic Acid; Face Fiber: Poly[Imino(1,6-Dioxo-1,6-Hexanedilyl)Imino-1,6-Hexanedilyl], Polymer, Polycaprolactam Thermoplastic Resin, Caprolactam, Carbon Black; Cushion: Calcium Carbonate, Oxirane, Methyl-, Polymer with Oxirane, Ether with 1,2,3-Propanetriol (3:1), 4,4'-Methylenediphenyl Diisocyanate, Quartz, Polymethylenepolyphenyl Polyisocyanate, Glycerol Ethoxylated / Propoxylated, Copolymer, Diethylene Glycol, Oxirane, Methyl-, Polymer with Oxirane, Ether with 1,2-Propanediol (2:1), Benzene, 1-Isocyanato-2-[(4-Isocyanatophenyl)Methyl]-, Benzene, 10-13-Alkyl Derivs, Siloxanes and Silicones, Di-Hydroxy-Terminated, Ethoxylated Propoxylated, Poly(Oxy-1,2-Ethanedilyl), Alpha-Phosphano-Omega-(Dodecyloxy)-, Compd. with 2,2-Bis[4-(4-Hydroxyphenyl)Ethanol], (Eo 2-8 Mol), Benzene, 1,1-Methylenebis[2-isocyanato-, Benzenamine, 1-Phenyl-, Reaction with 2,2-Bis[4-(4-Hydroxyphenyl)Ethanol], 2,2-Bis[4-(4-Hydroxyphenyl)Ethoxy]bis[4-Hydroxyphenyl] Ether

Living Building Challenge Criteria:
 MKN-0013 VOC Content: N/A
 EXP: 01 OCT 2018
 VOC Emissions: CDPH Compliant
Third Party Verified ✓
Declaration Status:
 LBC Red List Free
 LBC Compliant
 Declared

MANUFACTURER CLAIMS VERIFIED BY WAP Sustainability
 INTERNATIONAL LIVING FUTURE INSTITUTE™ declareproducts.com

Thank You!!

- Q & A