

Ecospun® Presentation

By Foss Manufacturing
Company, LLC

Hampton, NH



CERTIFICATIONS

ISO 9001:2000



ISO/IEC 17025:2005

- One of the world's largest needle-punch manufacturers
- Leader and pioneer in non-woven fabrics & specialty synthetic fibers -- in expanding number of environments
- Providing innovative, customized solutions

- Commitment to growth
- 153 employees hired in past year
- Re-certified ISO 9001:2000
- Commitment to company-wide recycling programs
 - Post industrial
 - Recycled paper
 - Recycled plastics



Marine Interior



Indoor/Outdoor Carpet



Wall Coverings



Surface Protection



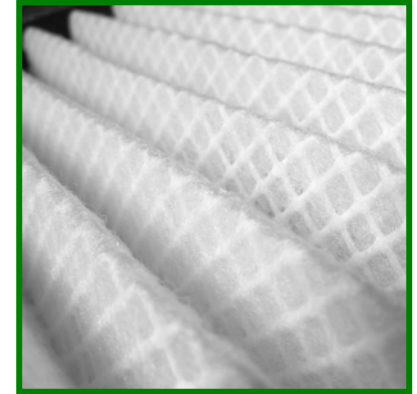
Craft Felt



Motor Home/RV Interior



Footwear



Filtration



Face Masks



Vinyl Substrates



Car Wash



Floor Carpet



Trunk



Seats



Load Floor



Headliner



Office Partitions



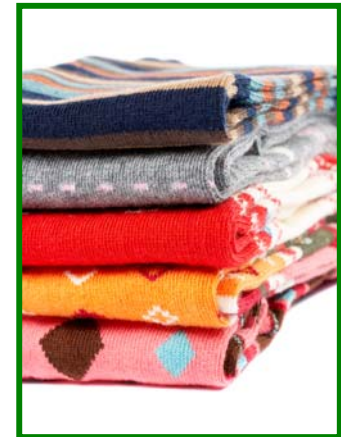
Carpet



Bedding/Linens



Hospital Scrubs



Apparel

Antimicrobial, Antiviral Textiles & Fibers



FOSSHIELD®
A healthier world, built in.

Protected by



Nature's antimicrobial




Environmentally Friendly Fiber & Fabrics

A large version of the ecospun logo, with the word "ecospun" in green lowercase letters and a blue globe icon integrated into the letter "o".

Fiber made from 100% post-consumer recycled plastic PET bottles

Two million plastic beverage bottles are used in the U.S. every ten minutes







-  The 51 billion plastic bottles in landfills end-to-end would wrap around the earth 5 times
-  For each billion bottles not in landfills --over 1/4 million barrels of oil are saved; eliminating 150,000 tonnes of harmful air emissions that contribute to global warming, acid rain, smog
-  Amt. of petroleum saved yrly by using post-consumer bottles in manufacturing process = enough power to supply Atlanta for a yr.

% of PET bottles being recycled:

2004
22%

2005
23%

2006
34%

-  Currently, 11 states in the U.S. have direct deposit
-  500 materials recovery facilities
-  9,000 curbside recycling programs
-  Over 860 million lbs. of recycled PET used in U.S. manufacturing applications include: fiber for carpet, apparel, strapping, sheet, film, food, non-food containers

1 Lb. of Fiber = Approximately 10 Bottles

Apparel (21)



Front Seat of Car (45)



Grill Mat (11)



2006 Results

Foss produced 36,500,000 lbs. of fiber

This would equal **365,000,000** bottles saved
from landfills

SAVING:

91,250 barrels of oil

64,734 tonnes of emissions

- ♻️ 10,000 yd₂ of indoor/outdoor carpet = **100,000** bottles
- ♻️ Truck load of carpet pad (32oz) = **240,000** bottles
- ♻️ Truck load of baled fiber = **450,000** bottles
- ♻️ Truck load of vinyl coated substrates = **87,500** bottles

Potential Bottles Used in a Year

- 🔄 Total bolts sold = **12,925,000** bottles
- 🔄 Total 9"x12" sheets sold = **4,300,000** bottles
- 🔄 Total 3' x 6' rolls of automotive carpet = **3,822,000** bottles
- 🔄 Total bottles consumed making Foss products for Wal-Mart = **21,047,000**

16 Million Vehicles Manufactured Yearly

If the car interiors were made using Ecospun...

That would equal **4,192,000,000** bottles
saved from landfills

SAVING:

1,048,000 barrels of oil

743,466 tonnes of emissions

Potential Bottles Used in Auto Industry

Full trunk/ load floor	=	76 bottles
Full seat	=	92 bottles
Floor (face only)	=	68 bottles
Headliner	=	15 bottles
Package trays	=	11 bottles



Ecospun Resin



Fiber Spinning



Draw Line



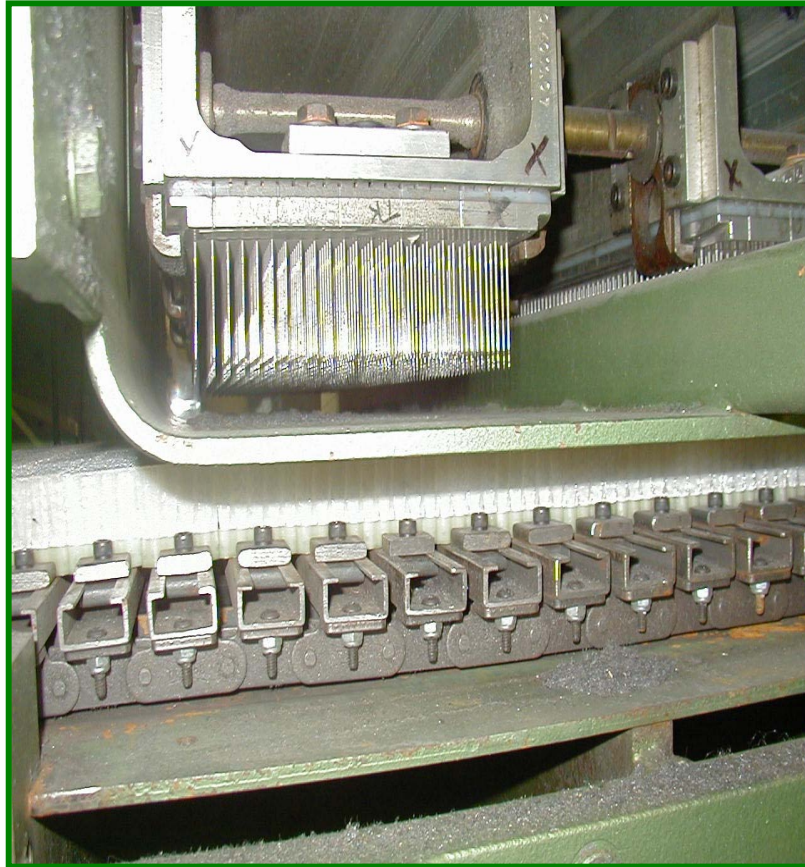
Bale



Carding



Cross Lapping Web






Needling Fabric







Finished Roll



Conversion of Fabric

-  Made without depleting earth's natural resources
-  Lowers emissions
-  Keeps bottles out of landfills

Leading the way to "green" manufacturing in the textile industry

-  Bottles FDA approved
-  High quality PET resin
-  Meets industry requirements for fiber (tenacity, shrinkage, colorfastness, dyeability, UV stability)
-  Can be blended into any PET textile application

ecospun®

Protect Yourself, While Saving the Environment



FOSSHIELD®

A healthier world, built in.

ecospun®

Our textile products can be made with both
Ecospun fiber and our Fosshield
antimicrobial additive.



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