

Wojia®

THE
FORMARY™
UNITED NATURAL FIBRES





WOOL + JUTE



Wojo®

WOOL JUTE BLEND
THE FORMARY

WOJO IS THE FUTURE OF TEXTILES

A revolutionary new fabric uniting wool, one of the world's most loved fibres, with jute, repurposed from the global coffee industry. This inspired blend captures the best properties of both fibres, high quality and hard-wearing. WoJo® is a beautiful textile that meets resource efficiency demands of today's interiors.

“We're very fortunate and delighted to work with The Formary to help produce this wonderful sustainable product. The unique production process, which overcomes many previous technical barriers, enables us to reuse our coffee sacks and reintroduce them into our stores in a way that further enhances their interiors for our customers.”

*Thom Breslin, Director of Design,
Starbucks UK and Ireland*

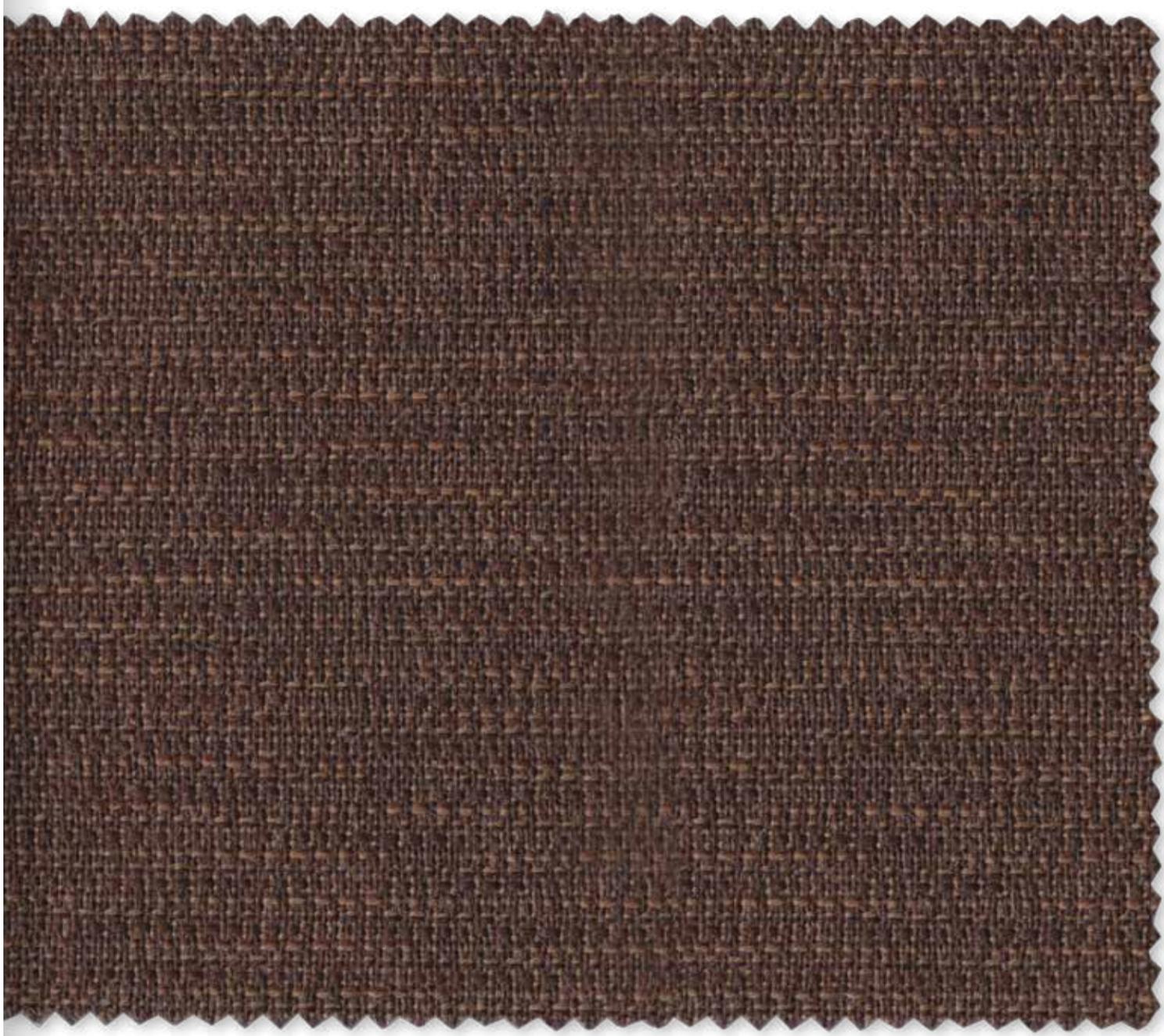
WoJo® was the result of a two-year, collaborative, product development project with Starbucks to create innovative new fabrics from their own jute coffee sack stream. WoJo® has undergone rigorous testing with impressive results.





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ENVIRONMENTAL IMPACT

Research by the Stockholm Environment Institute found that CO2 emissions to create one ton of spun fibre is much higher for synthetics than for natural fibres. In case of synthetics, the fibres are made from fossil fuels, where very high amounts of energy are consumed in extracting the oil from the ground as well as in the production of the polymers.

Natural fibres in addition to having a smaller carbon footprint have many additional benefits: being able to be degraded by micro-organisms and composted - improving soil structure. Synthetic fibres by comparison do not decompose, in landfills they release heavy metals and other additives into soil and groundwater.

Natural fibres are CO2 sequesterers, absorbing CO2 from the atmosphere through photosynthesis and storing carbon in biomass - leaves, stems, roots and soils. Jute absorbs 2.4 tons of carbon per ton of dry fibre.

CLEAN AIR

**VOC Emissions - ASTM D5116
Modified Organic Emissions Pass Formaldehyde
Absorption Test: 85.9%**



TECHNICAL SPECIFICATIONS

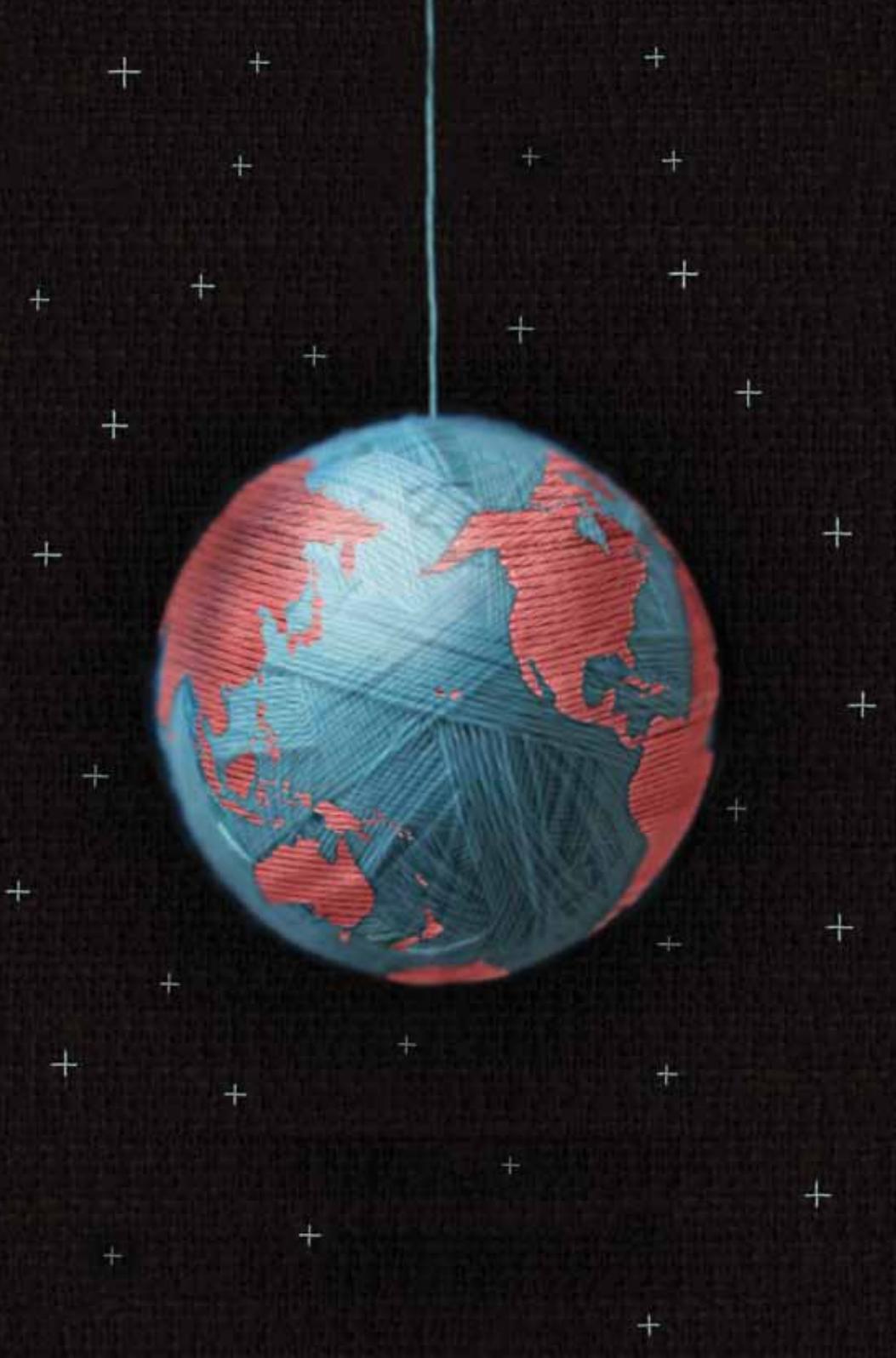
	SPECIFICATIONS	STANDARD	TOLERANCE
COMPOSITION	77% WOOL 23% Recycled Jute	BS 4407	+/-2%
WEIGHT	450gm ⁻² (630g/lin.m)	BS 247: 2005	± 5%
WIDTH	140cm	BS EN 1773: 1997	MINIMUM
ABRASION	40,000	BS EN ISO 12947-2: 1999	MINIMUM
LIGHT FASTNESS	5	ISO 105 B02: 1999	MINIMUM
FASTNESS TO RUBBING	WET 4	ISO 105 X12: 2002	MINIMUM
FASTNESS TO RUBBING	DRY 4	ISO 105 X12: 2002	MINIMUM
FASTNESS TO WATER	4	ISO 105 E01: 2010	MINIMUM



 FLAMMABILITY	
UK	BS 7176: 2007 MEDIUM HAZARD
	BS EN 1021-1: 2006
	BS EN 1021-2: 2006
	BS 7176: 2007 LOW HAZARD
	BS 5852: 2006; SECTION 4; IGNITION SOURCE 5

FULL REPORT AVAILABLE ON REQUEST

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Established in 2009, The Formary works with corporations and government organisations worldwide, redesigning large volume waste streams. By overcoming technical barriers and creating innovative solutions we are able to transform Industrial and Agricultural fibre waste into beautiful products and desirable textiles.

Millions of tonnes of textile waste is dumped globally every year, with over 90% of this waste able to be converted into valuable product.

The Formary's ability to transform waste into innovative new product for our clients is a truly unique and savvy sustainable approach. The scale of our clients means our resulting work has a significant positive impact on the environment.

With the world's population predicted to grow by another two billion people in the next forty years, food production will need to expand rapidly to meet population needs. This in turn will result in increased volume of fibre waste generated from food production.

Our latest project converts fibre harvested as a bi-product of food production into fabrics. This reduces the need for fibre only crops and frees up precious arable land for vital food production.

Creating textiles as a bi-products of food production increases the value of the crop and the productivity of the land while also reducing waste and carbon emissions.

The Formary's revolutionary new textiles are the future of textiles.

Wojo[®]

CREDITS

HRH Prince Charles Campaign for Wool
Sustainable Product Innovation Award 2010

Kevin McCloud Grand Designs
Green Hero Award 2011



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T H E F O R M A R Y . C O M

