





Table of Contents

- About IDEAL
- IDEAL Earth™ Video
- IDEAL Earth™ Process
- The IDEAL Impact
- IDEAL Earth™ Overview
- IDEAL Earth™ 1.0
- IDEAL Earth™ Coil 1.0 vs 2.0
- IDEAL Earth™ Coil 3.0
- IDEAL Earth™ Delrin 1.0 vs. 2.0
- IDEAL Earth™ Eco-Denim
- IDEAL Earth™ Zipper + Heat Sealed Recycled Reflective
- Certificates



Manufacturing

IDEAL owns and operates seven factories worldwide (over 1 million square feet of manufacturing space)

Bangladesh:

- Dhaka, Bangladesh

China:

- Dongguan, Guangdong
- Zhaoqing, Guangdong
- Jiangyin, Jiangsu

India:

- Mepz, Chennai

Turkey:

- Istanbul, Turkey

USA:

- Oxford, North Carolina

Established in 1936, IDEAL Fastener Corporation is the second largest zipper manufacturer in the world. IDEAL operates factories and sales offices in over 18 countries, in North and Central America, the Middles East, Europe and Asia. IDEAL offers zippers for any application including apparel, automotive, furniture, luggage, and military. With unrivaled expertise in styling, technology, and manufacturing, IDEAL provides its customers with the best products on the market. At IDEAL we are committed to excellence and doing everything in our power to ensure your success.

Sales Offices

Bangladesh, China, Hong Kong, India, Indonesia, Italy, Korea, Mexico, Netherlands, Pakistan, Singapore, Sri Lanka, Taiwan, Turkey, USA and Vietnam.

Customer Base

Our client list includes every known apparel brand and retailer in the United States & Europe including Adidas, AEO, A&F, Calvin Klein, COACH, D&G, Gap, Lands' End, Michael Kors, Moncler, Target, Timberland, Tommy Hilfiger, Under Armour and many more. IDEAL Fastener is also a supplier to the world's premiere luggage manufacturers, NASA, the US Armed Forces, numerous Fortune 500 companies and international manufacturers across a range of industries.

Click Me





ZIPPERS THAT **TREAD LIGHTLY ON THE PLANET**

IDEAL Earth™ zippers are made using recycled polyester, utilizing special processes that convert recycled water bottles into zippers. Here's how it's done...



recycled bottles
are collected
and flaked



bottle flake is
formed into
polyester chips



polyester chips are
extruded into
recycled polyester
yarn or monofilament



recycled polyester is used
to create environmentally
responsible
zippers

The IDEAL Impact

	 100,000 Jacket Zippers	 1 Million Bottom Zippers	 100,000 Handbag Zippers
 Keeps PET Bottles out of Landfills	45,440	140,000	30,294
 Saves Liters of Water	3,868	11,768	2,578
 Saves KWh of Energy	13,000	36,000	8,570
 Reduces Kgs of CO2	1,175	3,574	714
Saves Gallons of Gasoline	375	1000	244



IDEAL EARTH™

- IDEAL Earth™ Zippers are Made Using Recycled Polyester, Utilizing Special Processes That Convert Recycled Water Bottles into Zippers
- Available in Coil, Delrin, Invisible and Metal
- Available in Over 600 colors
- Available in All Sizes



IDEAL EARTH™ 1.0

- Available in Coil, Delrin, Invisible and Metal
- Available in Over 600 colors
- Available in All Sizes
- With only REPREVE® tape



IDEAL EARTH COIL 1.0

IDEAL EARTH COIL 2.0

REPREVE® Tape



REPREVE® Cord

Recycled
Monofilament
Teeth

REPREVE® Tape

REPREVE® Sewing Thread

40% MORE rPES USAGE
COMPARED TO IE 1.0



IDEAL EARTH™ 3.0 COIL ZIPPER

- rPES Tape +
- rPES Teeth +
- rPA Slider / Puller
- All Recycled Material with T/C



IDEAL EARTH DELRIN 1.0



← **REPREVE®** Cord

← **REPREVE®** Tape

IDEAL EARTH DELRIN 2.0



→ **REPREVE®** Cord

→ **REPREVE®** Tape

→ **HOSTAFORM®**
POM ECO B



50% CO₂ footprint reduction compared to IDEAL Earth™
Delrin 1.0

HOSTAFORM® is a registered trademark of Celanese

REPREVE® is a registered trademark of Unifi, Inc.

idealfastener.com/sustainable

* Manufacturing process is unchanged, so no product
requalification or performance sacrifice

IDEAL EARTH[™] ECO-DENIM ZIPPERS

IDEAL Earth[™] Eco-Denim Zippers are made using REPREVE[®] polyester, utilizing special processes that convert recycled water bottles into yarn for our zipper tapes. These zippers are also available with an Eco-finish.

1 Million Bottom Zippers with REPREVE[®]



140,000 PET
bottles kept out
of landfills



11,769 liters of
water saved



36,000 KWh of
energy saved



3,574 Kgs of CO2
reduced



1000 gallons of
gasoline saved

1 Million Bottom Zippers with Eco-Finish

AVAILABLE IN MULTIPLE FINISHES



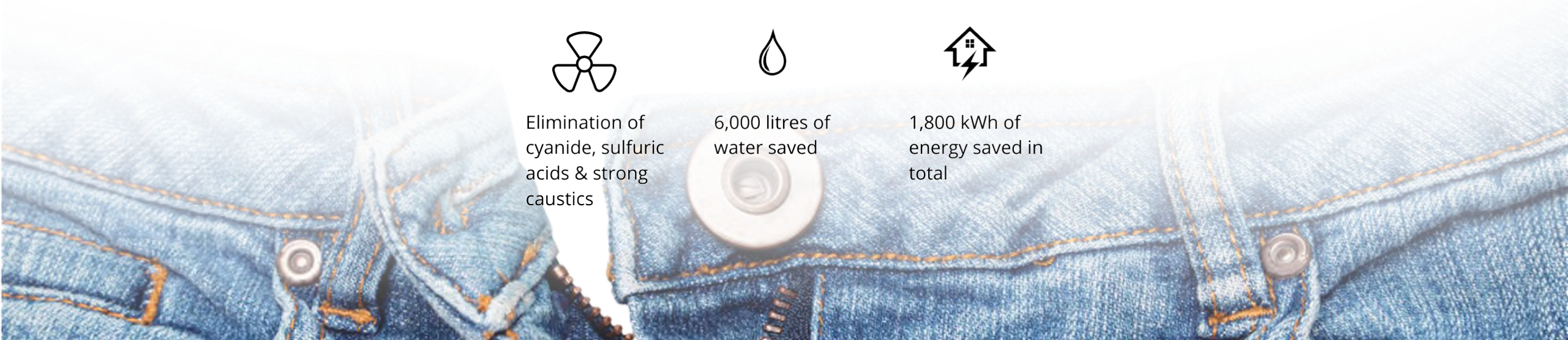
Elimination of
cyanide, sulfuric
acids & strong
caustics



6,000 litres of
water saved



1,800 kWh of
energy saved in
total



IDEAL EARTH™ ZIPPER+HEAT SEALED RECYCLED REFLECTIVE

Recycled Heat Transfer – Silver Reflective Kiss-Cut Only

- Solution application: ST/WP WATER REPELLENT / SS1 LOW TEMP. ELASTIC
- Heat press: 230°F ↑ (depends on fabrics)
- Stay away from fabric color change, press mark, and color migration
- Recommended fabrics: heat sensitive fabrics such as polypropylene and polyester, etc.
- Black background color only
- Made from silver reflective waste materials





IDEAL EARTH™ ZIPPER+HEAT SEALED RECYCLED REFLECTIVE

- Partnered with E. Textint
- Available in #5 Coil; Additional Sizes Coming Soon
- Available Only in Silver Reflective and Black Background
- IDEAL Earth™ Zippers can be DTM



IDEAL has been a member of the Higg Index Program since 2018

The FEM score verifies IDEAL has significantly reduced waste, water usage and is saving energy

YEAR	GUANDDONG FACTORY	DONGGUAN FACTORY
2019	48%	20.4%
2020	55%	34.6%
2021	58.7%	44.5%

IDEAL obtains the GRS Scope Certificate to prove the sustainable zipper content is using over 20% of recycled materials and meets the environmental practices



- The Higg FEM assesses:
- Environmental Management Systems
 - Energy Use
 - Water Use
 - Wastewater
 - Emissions to Air
 - Waste Management
 - Chemical Management



SCOPE CERTIFICATE

Intertek
Total Quality Assured
Intertek Testing Services NA, Inc.
900 Quince Orchard Street
Lowell, MA, USA 01851

Intertek declares that

IDEAL Fastener (Dong Guan) Limited

License Number: LD1442-G4

Dabandi Industrial District, Daning Community, Humen Town, Dongguan City, Guangdong Province, China

has been inspected and assessed according to this:

GLOBAL RECYCLED STANDARD 4.0 (GRS 4.0)

and that products of the categories as mentioned below (and further specified in the annex) conform with this standard:

Product categories: Functional accessories

Processing steps / activities carried out under responsibility of the above-mentioned company (by the operations as detailed in the annex) for the certified products:

Manufacturing, Warehousing, Weaving, Dyeing, Finishing, Trading

Scope Certificate Number: LD1442-G4-2020-00182000
Initial Certification Date: 24 November 2020
Certificate Issue Date and Place: 24 November 2020 Lowell, MA, USA
Certificate Expiry Date: 23 November 2021

intertek
Global Recycled Standard

Calin Moldoveanu
President, Business Assurance
Intertek Testing Services NA, Inc.

This Scope Certificate provides no proof that any goods delivered by its holder are GRS certified. Proof of GRS certification of goods delivered is provided by a valid Transaction Certificate (TC) covering these goods, or a valid TC certificate before a dispute is resolved. The holder of this certificate is responsible for ensuring that the goods are delivered in accordance with the agreed upon Certification Agreement. This certificate is valid only in the event of a dispute. The certificate remains the property of Intertek, to whom it may be returned upon request.

10-000-0040-01-00001

Scope Certificate LD1442-G4-2020-00182000 License number LD1442-G4, Page 1 of 4

SCOPE CERTIFICATE

intertek
Total Quality Assured
Intertek Testing Services NA, Inc.
900 Quince Orchard Street
Lowell, MA, USA 01851

Intertek declares that

IDEAL FASTENER ASIA LTD.

License Number: KD0450-G4

10/F, IDEAL PLAZA, 46-48 PAK TIN PAR ST., TSUEN WAN, NT, HK

has been inspected and assessed according to this:

GLOBAL RECYCLED STANDARD 4.0 (GRS 4.0)

and that products of the categories as mentioned below (and further specified in the annex) conform with this standard:

Product categories: Functional Accessories

Processing steps / activities carried out under responsibility of the above-mentioned company (by the operations as detailed in the annex) for the certified products:

Dyeing, Manufacturing, Warehousing, Weaving, Finishing, Trading

Scope Certificate Number: KD0450-G4-2020-00193700
Initial Certification Date: 07 December 2020
Certificate Issue Date and Place: 07 December 2020 Lowell, MA, USA
Certificate Expiry Date: 06 December 2021

intertek
Global Recycled Standard

Calin Moldoveanu
President, Business Assurance
Intertek Testing Services NA, Inc.

This Scope Certificate provides no proof that any goods delivered by its holder are GRS certified. Proof of GRS certification of goods delivered is provided by a valid Transaction Certificate (TC) covering these goods, or a valid TC certificate before a dispute is resolved. The holder of this certificate is responsible for ensuring that the goods are delivered in accordance with the agreed upon Certification Agreement. This certificate is valid only in the event of a dispute. The certificate remains the property of Intertek, to whom it may be returned upon request.

10-000-0040-01-00001

Scope Certificate KD0450-G4-2020-00193700 License number KD0450-G4, Page 1 of 4

SCOPE CERTIFICATE

intertek
Total Quality Assured
Intertek Testing Services NA, Inc.
900 Quince Orchard Street
Lowell, MA, USA 01851

Intertek declares that

IDEAL Fastener (GuangDong) Industries Ltd.

License Number: KD0928-G4

No.2, Industrial Street of Zhaoqing High-tech Zone, Zhaoqing City, Guangdong Province, China

has been inspected and assessed according to this:

GLOBAL RECYCLED STANDARD 4.0 (GRS 4.0)

and that products of the categories as mentioned below (and further specified in the annex) conform with this standard:

Product categories: Functional Accessories

Processing steps / activities carried out under responsibility of the above-mentioned company (by the operations as detailed in the annex) for the certified products:

Dyeing, Manufacturing, Warehousing, Weaving, Trading

Scope Certificate Number: KD0928-G4-2020-00183100
Initial Certification Date: 24 November 2020
Certificate Issue Date and Place: 24 November 2020 Lowell, MA, USA
Certificate Expiry Date: 23 November 2021

intertek
Global Recycled Standard

Calin Moldoveanu
President, Business Assurance
Intertek Testing Services NA, Inc.

This Scope Certificate provides no proof that any goods delivered by its holder are GRS certified. Proof of GRS certification of goods delivered is provided by a valid Transaction Certificate (TC) covering these goods, or a valid TC certificate before a dispute is resolved. The holder of this certificate is responsible for ensuring that the goods are delivered in accordance with the agreed upon Certification Agreement. This certificate is valid only in the event of a dispute. The certificate remains the property of Intertek, to whom it may be returned upon request.

10-000-0040-01-00001

Scope Certificate KD0928-G4-2020-00183100 License number KD0928-G4, Page 1 of 4

SCOPE CERTIFICATE

CU Inspections & Certifications India Pvt. Ltd.
22nd Floor, Arham Aura, TTC Industrial Area, Turbhe MIDC, Opposite Turbhe Station, 400705, Navi Mumbai, Maharashtra, India
+91 22 61294200
www.patersoncontributions.com

SCOPE CERTIFICATE

Scope Certificate Number: CU108014GRS-2020-00079311

Control Union
Certified

Global Recycled Standard

has been inspected and assessed in accordance with the
Global Recycled Standard (GRS)
- Version 4.0 -

and that products of the categories as mentioned below (and further specified in the annex) conform with this standard

Product categories: Dyed fabrics, Functional accessories

Processing steps / activities carried out under responsibility of the above-mentioned company (by the operations as detailed in the annex) for the certified products

Dyeing, Exporting, Manufacturing, Storing, Trading, Weaving

This certificate is valid from
2020-11-24
This certificate is valid until
2022-11-23

Photo and date of issue

Stamp of the issuing body

Holder's sign

2020-11-24, Navi Mumbai

Name of authorized person

On behalf of the Managing Director
Yash Bari | Certifier

Stamp of the accreditation body

CU Inspections & Certifications India Pvt. Ltd.
22nd Floor, Arham Aura, TTC Industrial Area, Turbhe MIDC, Opposite Turbhe Station, 400705, Navi Mumbai, Maharashtra, India
+91 22 61294200 - F - cuindia@contributions.com

This Scope Certificate provides no proof that any goods delivered by its holder are GRS certified. Proof of GRS certification of goods delivered is provided by a valid Transaction Certificate (TC) covering these goods, or a valid TC certificate before a dispute is resolved. The holder of this certificate is responsible for ensuring that the goods are delivered in accordance with the agreed upon Certification Agreement. This certificate is valid only in the event of a dispute. The certificate remains the property of Intertek, to whom it may be returned upon request.

10-000-0040-01-00001

Scope Certificate CU108014GRS-2020-00079311 License number CU108014GRS-2020-00079311, Page 1 of 4



www.idealfastener.com/sustainable