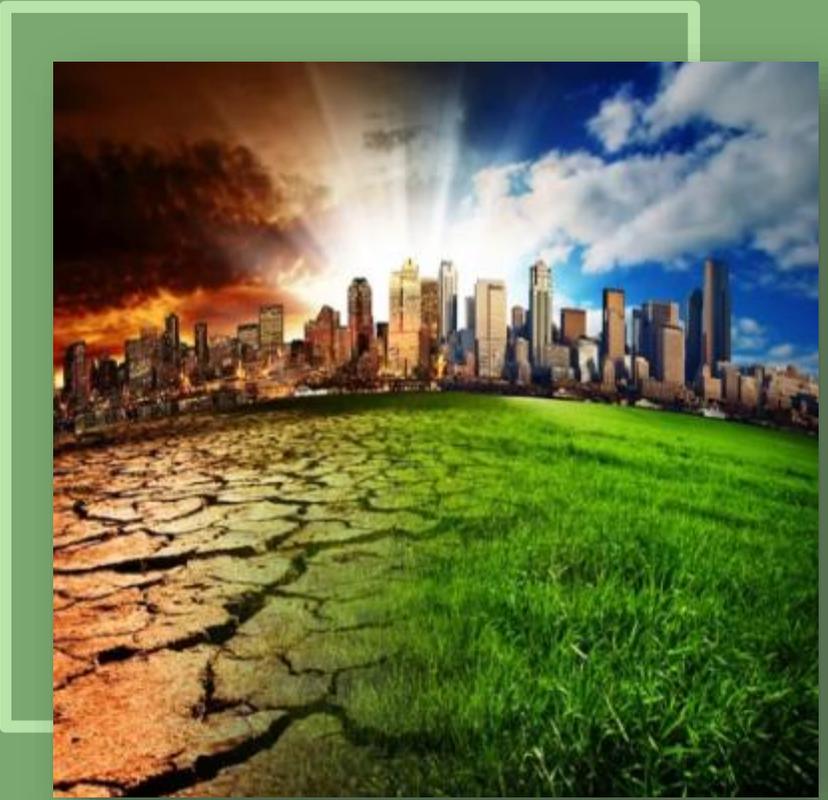


# SUSTAINABILITY

# WHAT IS SUSTAINABILITY?

“The quality of not being harmful to the environment or **depleting natural resources**, and thereby supporting long-term **ecological balance**”.

In the 2011 report; the United Nations Environment Program (UNEP) predicted that the natural resource consumption rate would be **three times more than the current consumption rate** by 2050. Therefore, instead of the conventional linear material flow, the flow of cyclic material should be adopted and directed towards the use of recycled fibers.



Cleaning up after pollution is **more costly** than avoiding pollution.

Is not impossible restoring degraded ecological **after pollution**.

# YKK PHILOSOPHY

"No one prospers without rendering benefit to others."



YKK seeks **corporate value** of higher significance



YKK will pursue innovative **quality** in the seven key areas

Under YKK philosophy "Cycle of Goodness", YKK carries out business activities with the aim of bringing mutual prosperity.



→ **Protecting the environment is an essential part in all key areas of the cycle of goodness:**

- YKK proactively promotes environmental management
- Request trading partners to promote the preservation of the environment  
e.g. YKK's Green Procurement Policy
- YKK has engaged in environmental activities in all areas of business,  
e.g. including activities during procurement and manufacturing stage
- YKK is continuously developing eco-friendly products & supporting community involvement  
e.g. Natulon® / Tree planting

# SUSTAINABILITY IS **NOT JUST A TREND** FOR YKK...

- Sustainability is tradition for YKK.
- Environmental awareness is nothing new at YKK.

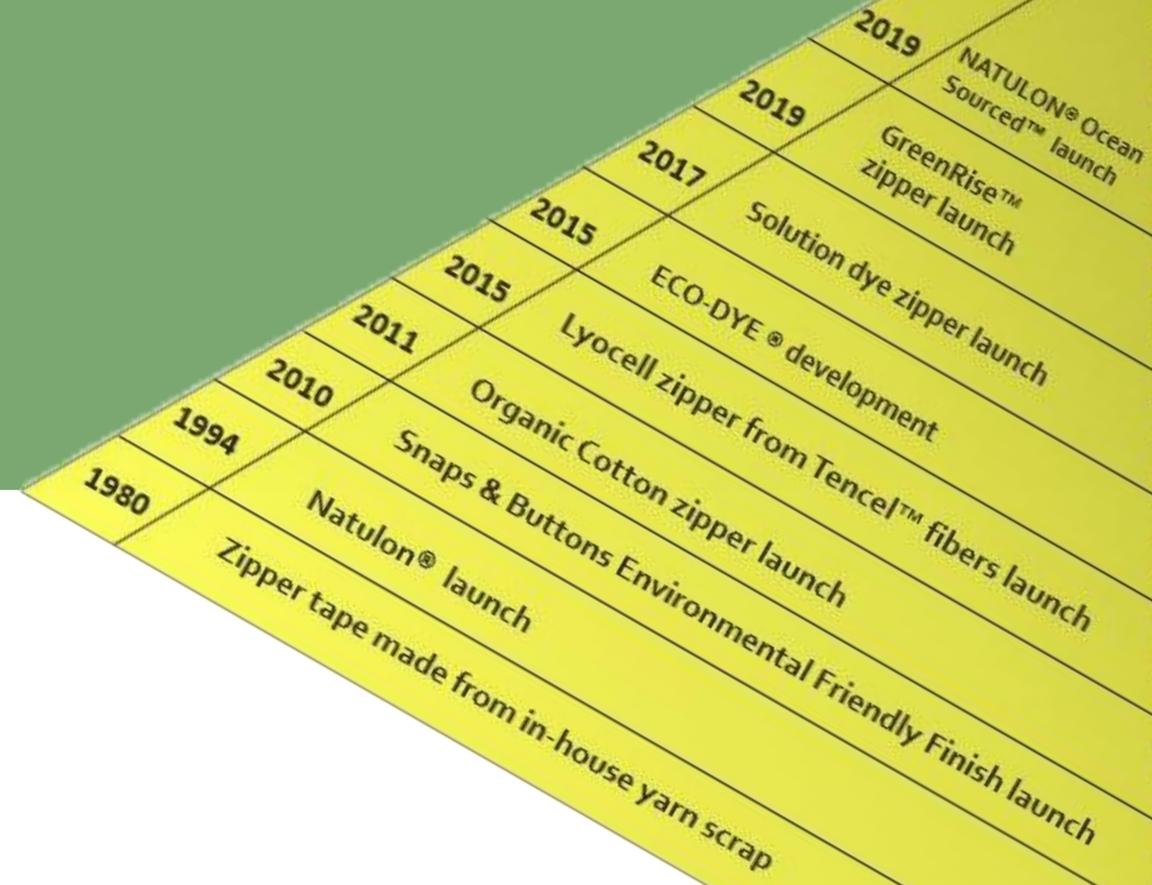
## Environmental Pledge

Our Fundamental Understanding of the Global Environmental Issue

It is recognized today as being a most important duty for all humankind that we preserve the abundantly endowed global environment and that we transfer it to the next generation in sound condition.

Striving to be an earth-friendly company, YKK Group proclaims that we will address and promote “harmony with the environment” as the highest priority of our business activity.

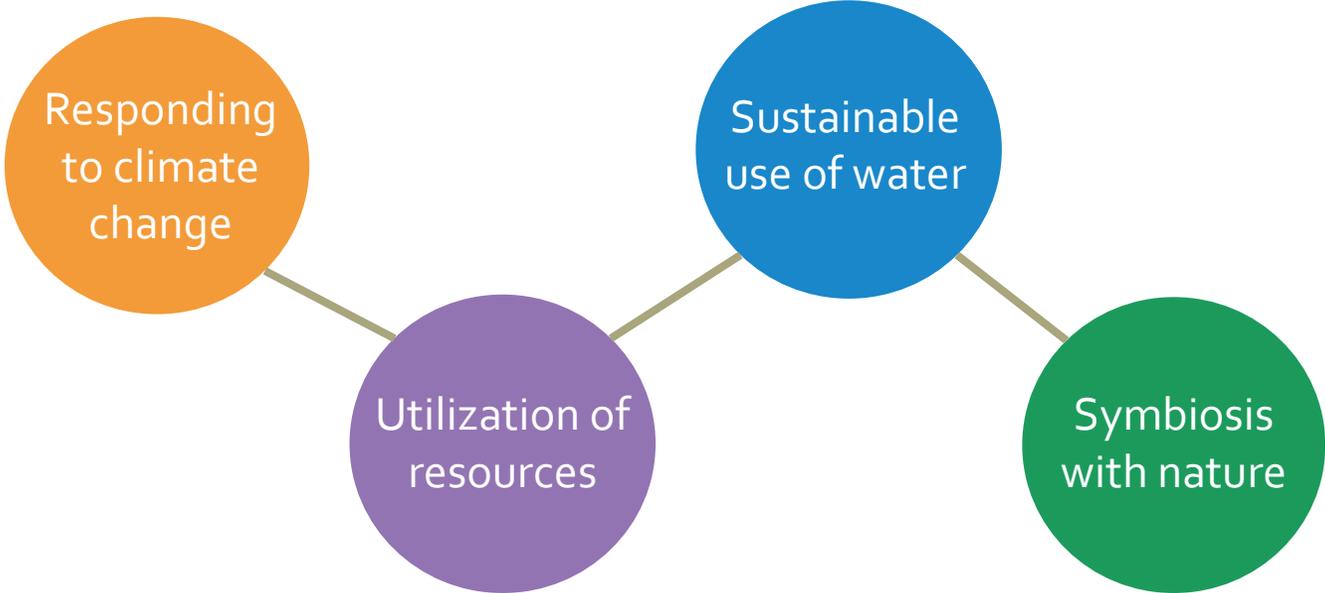
September, 1994



1980	Zipper tape made from in-house yarn scrap
1994	Natulon® launch
2010	Snaps & Buttons Environmental Friendly Finish launch
2011	Organic Cotton zipper launch
2015	Lyocell zipper from Tencel™ fibers launch
2015	ECO-DYE® development
2017	Solution dye zipper launch
2019	GreenRise™ zipper launch
2019	NATULON® Ocean Sourced™ launch

# YKK GROUP ENVIRONMENTAL VISION 2050

The YKK Group, in the spirit of the "Cycle of Goodness," challenges society and all employees to create new value in order to realize a rich natural environment for all living things in the future.



**YKK Group Environmental Vision 2050**

## Towards a brighter future for nature and humanity

The YKK Group, in the spirit of the "Cycle of Goodness," challenges society and all employees to create new value in order to realize a rich natural environment for all living things in the future. Let's create a blueprint for the future and move forward together.

**Responding to climate change**  
Contributing to a carbon-free society

**Utilization of resources**  
Maximizing the effective use of resources

**Sustainable use of water**  
Realization of sustainable water use

**Symbiosis with nature**  
Promotion of activities to enrich nature

**[ Contact us ]**  
YKK Group Environmental Policy Promotion Committee | [environment.jpn@ykk.com](mailto:environment.jpn@ykk.com)

**YKK** **YKK AP**

# YKK'S UNDERSTANDING OF "ECO-FRIENDLY"

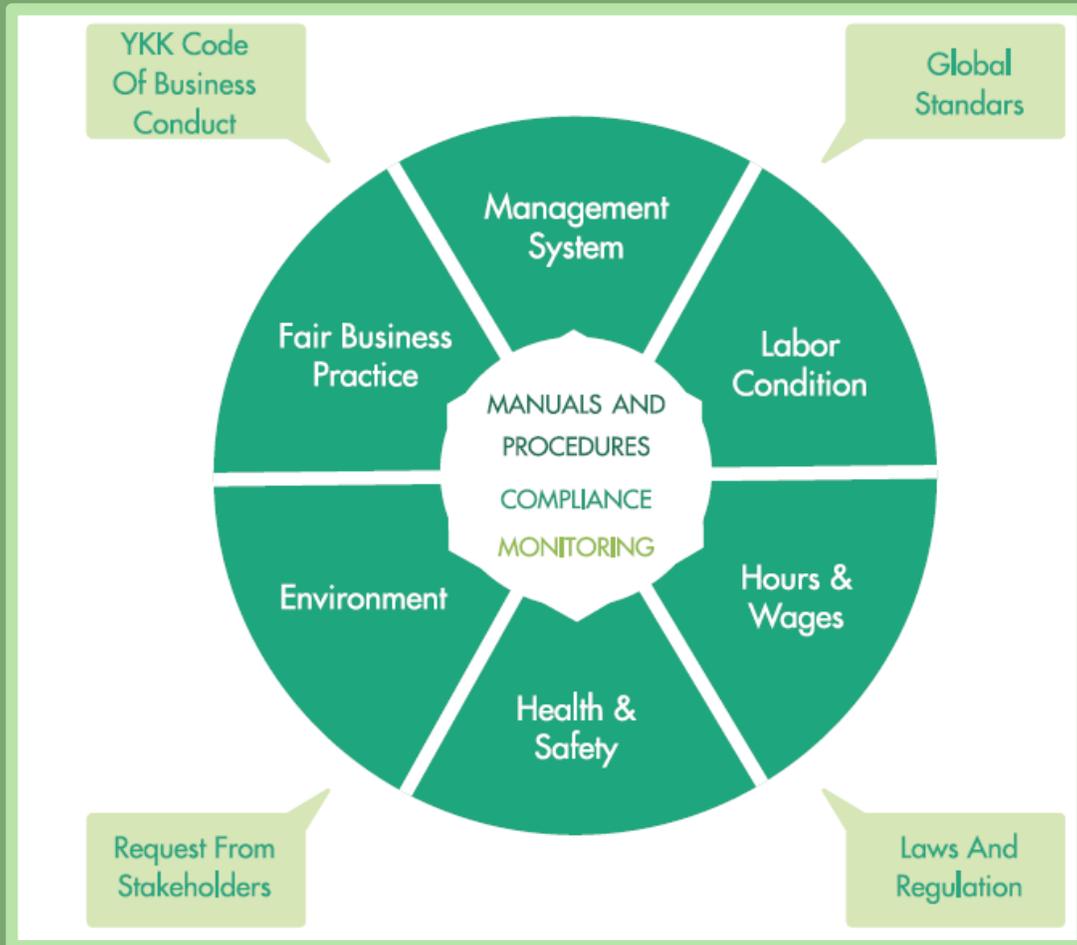
Eco-friendly means preserving the global environment and that we transfer it to the next generation in a sound condition.

The YKK Group proactively promotes the preservation of the global environment as well as environmental management.

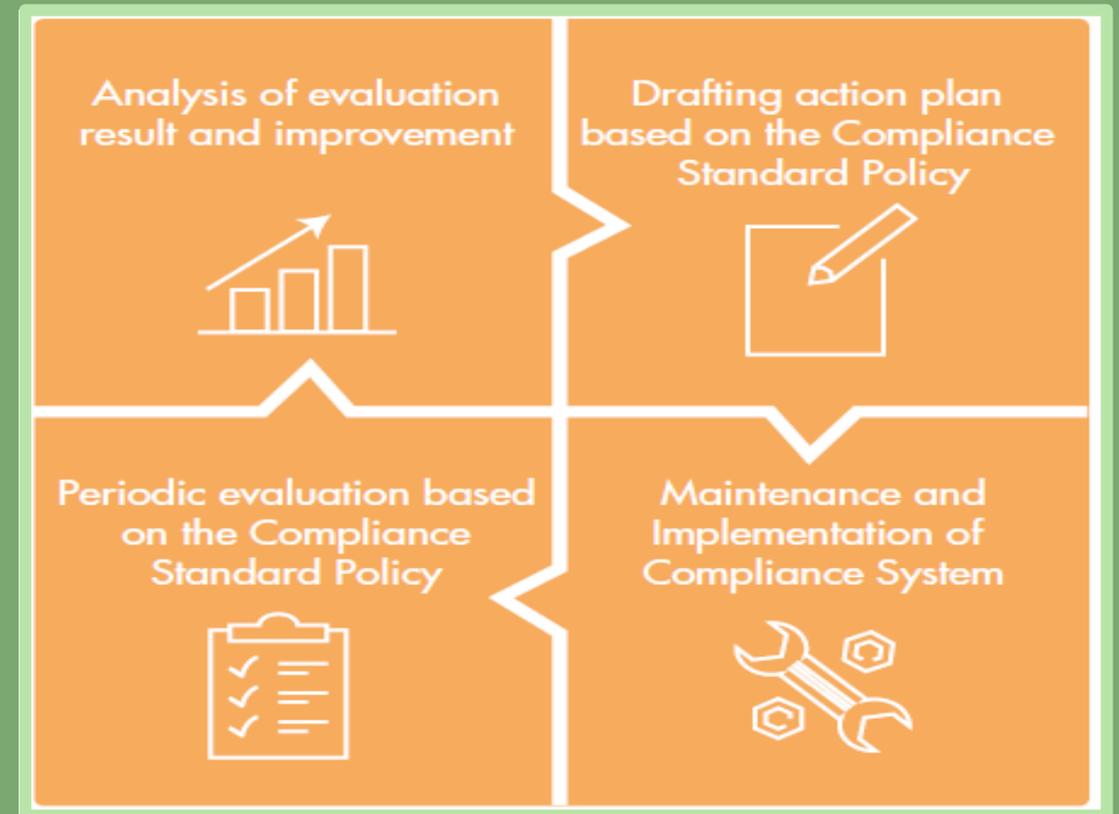
We request that our trading partners also proactively promote the preservation of the global environment as well as engage in delivery activities that are in accordance with our Green Procurement Policy



# YKK GLOBAL CRITERIA OF COMPLIANCE



YKK implements annual audits of YKK Group factories based on the below criteria and conducts regular evaluations and improvements for sustainability.



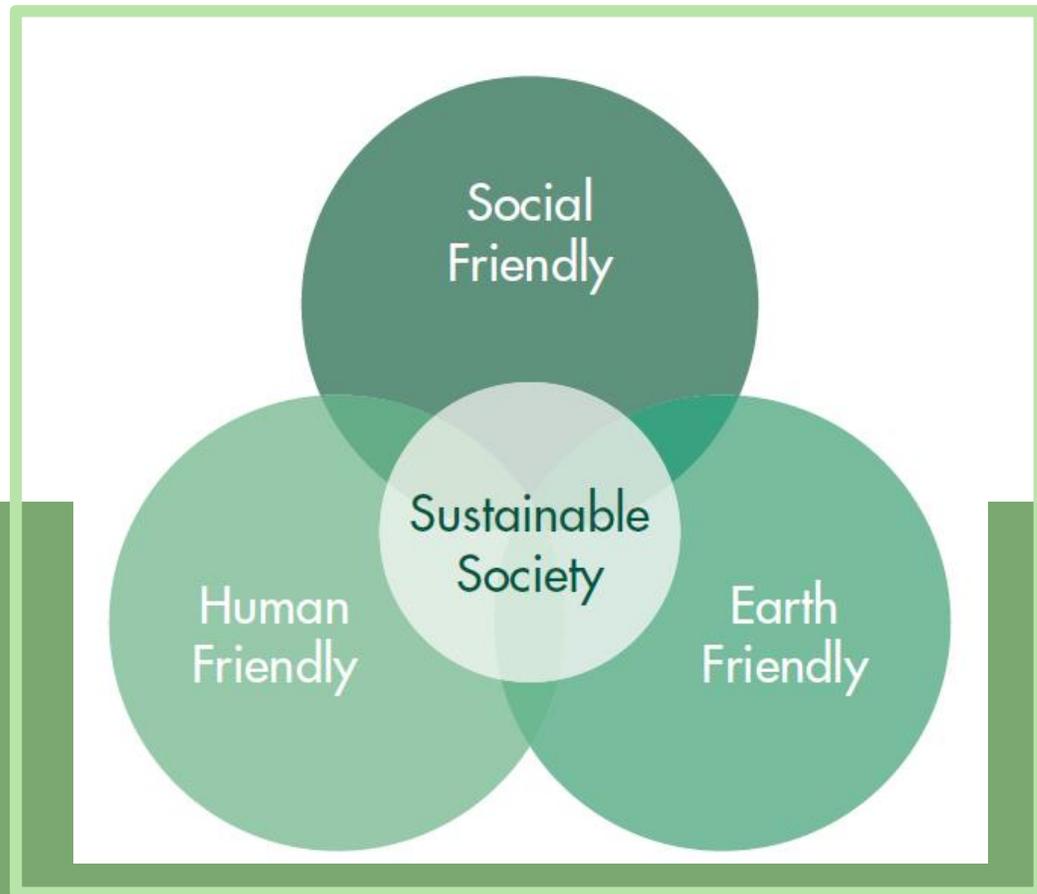
## YKK RESTRICTED SUBSTANCES LIST

YKK is working to eliminate hazardous chemicals from the manufacturing process and has created "YKK RSL" which is referenced from OEKO-TEX and MRSL (Manufacturing Restricted Substances List) of ZDHC (Zero Discharge of Hazardous Chemicals).

<b>Chemical Group</b>	<b>Utilization</b>
<b>Surfactant</b>	<b>Product Detergent, Degreasing Cleaning</b>
<b>Halogenated Solvents</b>	<b>Paint Remover</b>
<b>Organic Tin Compound</b>	<b>Rail Fastener, Reinforcement Film</b>
<b>PFC's Perfluorinated Compounds</b>	<b>Water Repellent for AquaGuard®</b>
<b>Phthalates</b>	<b>Proseal® PVC tape, Plating, Chip for Vislon®</b>
<b>Heavy metals</b>	<b>Plating</b>
<b>Other Banned Dyestuffs</b>	<b>Coloring Agent</b>
<b>PAH (Polycyclic Aromatic Hydrocarbons)</b>	<b>Painting, Acrylic Resin Coating</b>
<b>VOC (Volatile Organic Compound)</b>	<b>Painting, Plating Clear</b>

By 2020, YKK aims to eliminate the above major substances.

At YKK, we are promoting the development of eco-friendly products that are kind to people, society and the global environment over the course of their individual product life cycles, following a concept defined by three keywords: **Human-Friendly**, **Earth Friendly**, and **Social Friendly**.



We do this in the aim of achieving a sustainable society.

Along with sustainable production, YKK will continue developing and introducing sustainable products.

**NATULON®** , **Organic Cotton** and **Lyocell™** zippers are some of our representative sustainable products.



# IN THE PAST 10 YEARS

**NOx  
Emission**



**%52  
Less**

**CO<sub>2</sub>  
Emission**



**%11  
Less**

**Fuel  
Consumption**



**%31  
Less**

**Natural Gas  
Consumption**



**%25  
Less**

**Water  
Consumption**



**%8  
Less**

**Recycling  
Amount**



**%17  
More**

**Paper  
Consumption**



**%33  
Less**

	(NOx/kg)	(CO <sub>2</sub> /kg)	(GJ/t)	(m3/kg)	(1000 m3/kg)	(%)	(1000 kg/kg)
<b>2019</b>	0,9	2,55	0,018	4,56	0,11	95	2,01
<b>2018</b>	0,93	2,73	0,021	5,24	0,12	93,49	1,75
<b>2017</b>	1,02	2,67	0,022	5,37	0,11	85,39	2,29
<b>2010 (Base year)</b>	1,86	2,85	0,026	6,12	0,12	81,48	3,01

# THIRD PARTY CERTIFICATION



## ISO 5001 Energy Management System

ISO 5001 supports organizations in all sectors to use energy more efficiently.

## ISO 9001 Quality Management System

A QMS helps coordinate and direct an organization's activities to meet customer and regulatory requirements and improve its effectiveness and efficiency on a continuous basis.

## ISO 14001 Environmental Management System

EMS is a set of processes and practices that enable an organization to reduce its environmental impacts and increase its operating efficiency.

## STANDARD 100 by OEKO-TEX®

The STANDARD 100 by OEKO-TEX® is a globally uniform testing and certification system for textile raw materials, intermediate and end products at all stages of production.

## Global Organic Textile Standard (GOTS)

The Global Organic Textile Standard (GOTS) is recognized as the world's leading processing standard for textiles made from organic fibers. It defines high-level environmental criteria along the entire organic textiles supply chain and requires compliance with social criteria as well.

## Global Recycled Standard

The GRS is intended to meet the needs of companies looking to verify the recycled content of their products (both finished and intermediate) and to verify responsible social, environmental and chemical practices in their production.

## ZDHC MRSL

YKK is not a member of ZDHC, but we are a supplier of brands who are ZDHC members and we signed the ZDHC MRSL Compliance Acknowledgement in September 2016.

## Higg Index

YKK Turkey is a member of Sustainable Apparel Coalition (SAC). Developed by the Sustainable Apparel Coalition, the Higg Index is the leading assessment for standardized supply chain sustainability assessment.

**YKK**  
Little Parts. Big Difference.™

# Introducing Eco-Friendly Finishes

Snap & Button finishes  
without toxic chemicals

**66%** less grams/kg  
chemicals

**89%** less litres/kg  
water

**100%** reduction in  
toxic chemicals & waste

**64%** less MJ/kg thermal  
energy

**46%** less kWh/kg  
electricity

An environmental impact assessment conducted by MADE-BY shows that many fewer resources are used when compared with YKK's conventional products. The stated savings are maximum values based on comparisons between conventional and eco-friendly finishing processes.

Products selected from a representative mix at two YKK production sites.

**IT'S JUST**  
Find out how YKK work towards a sustainable future in cooperation with the world's companies.  
@notjustzip

## ÇERKEZKÖY



An environmental impact assessment from **MADE-BY** shows that many fewer resources are used when compared with YKK's conventional products.

Agreement signed by September 2017 YKK (Turkey) AŞ.  
Made By audited our factory end of November 2017.

# SUSTAINABLE PRODUCTS

Sustainable Collection II  
2019

Natulon Metal and Coil  
2018

Organic Cotton  
2018

Environmental  
Friendly Finish  
2019

Natulon Vislon  
2019

Lyocell Fiber Zipper  
2018

Sustainable Collection I  
2017

Element Colors  
2010



## ENVIRONMENTAL FRIENDLY FINISH-1

YKK ShenZhen Code YKK Turkey Code	Raised	Sunken	YKK ShenZhen Code YKK Turkey Code	Raised	Sunken
ST2NSN Arctic Glacier TPL(A) (A)			ST2NMN Matte Arctic Glacier TPC(A) (A)		
ST1NSN Glacier TPL(K) (K)			ST1NMN Matte Glacier TPC(K) (K)		
QQ03SNS (Q003) Summital ELO22 (L)			QS01MNS (Q008) Antique Silver TP/EL025 (L)		
QQ05SNS (Q002) Dark Powder ELO23 (K)			QS06MNS (Q002) Dull Dark Powder TP/EL024 (K)		
QS08MNS (Q013) Alloy TP/FL442 (1) (K)			QS07MNS (Q010) Solid Powder TP/EL085 (1) (K)		
BQ06MNS (Q013) Alloy BC/FL442 (1) (B)			BQ05MNS (Q010) Dull Matte Antique Brass BC/FL085 (1) (B)		
CQ05MNS (Q013) Copper Alloy CMC*2/FL442 (1) (C)			CQ04MNS (Q018) Dull Matte Antique Copper CMC*2/FL085 (1) (C)		
CX53SNS Antique Copper CA4(T) (T)			CX53MNS Dull Matte Antique Copper CA4(T) (C)		
CX55SNS Mid Antique Copper CA7(T) (C)			CX55MNS Dull Mid Antique Copper CA7(T) (C)		
CX49SN Black Oxide DL*2 (C)			CX57MNS Dull Dark Antique Copper XCS7 (C)		

Tüm kaplamalar, her ürün tipinde üretilemeyebilir. Lütfen satış temsilcinize danışınız.  
All finishes may not be available for all types of products. Please contact with your sales representative.

Fastening Products Group

## ENVIRONMENTAL FRIENDLY FINISH-2

YKK ShenZhen Code YKK Turkey Code	Raised	Sunken	YKK ShenZhen Code YKK Turkey Code	Raised	Sunken
BT1NSN Brass BL (B)			BT1NMN Matte Brass BC (B)		
BY1SSN Control Finish Brass 5 BIC (B)			BQ01MNS (Q012) Matte Gold Brass BC/EL026 (B)		
I Antique Brass 1 IL3 (B)			BY32SN Dark Antique Brass 2 ILC1PP (B)		
Q004SNS (Q007) Distressed Brass EL027 (B)			BQ03MNS (Q007) Matte Distressed Brass BC/EL027 (B)		
CT1NSN Copper Red CL (C)			CT1NMN Matte Copper Red CMC*2 (C)		
Q002SNS (Q004) Distressed Copper CMC*2/EL028 (C)			CQ01MNS (Q004) Matte Distressed Copper EL013-3C (C)		
CQ03SNS (Q018) Blue Copper CL/EL029 (C)			CX29SN Black Oxide Copper CXV7 (C)		
QS03MNS (Q006) Blue Glacier TPC/EL030 (L)			QS04MNS (Q006) Glacier 2 TPC/EL033 (L)		
QS02MNS (Q009) Forest TPC/EL031 (K)			QS05MNS (Q009) Marble TPC/EL034 (K)		
BQ02MNS (Q005) Green Brass BC/EL032 (B)			BQ04MNS (Q009) Sunset BC/EL034 (B)		

Çevresel üretin sürecinin doğası gereği, ürünün gerçek görünümünü logo tasarımı ve kaplama koşullarına bağlı olarak değiştirecektir.  
Due to the nature of environmental production process, the actual appearance of the product might vary depending on logo design and finishing conditions.



Environmental Finish addressing **less usage of water, electricity, thermal energy and process chemical** and leading to more environmental friendly production process. Eliminates the usage and **discharge of toxic chemicals**



Due to the natural production process of Environmental-finish, **color tolerance** range is wider than the conventional electroplating process.

# SUSTAINABLE COLLECTION II

YKK has prepared a collection of all sustainable products are manufactured as eco finish.



There are new sustainable zipper types: **Lyocell Fiber** and **Organic Cotton Zipper**.



For Sustainable Collection **Natulon zipper, wooden buttons** are produced.



Indigo Vintage products are produced **brass** because brass can be processed with **less water and chemicals**.



**Sew-on buttons** are produced from coconut shell.



The collection includes a **raw element finishes**. There is no coating on them.

**Screw button** can be used repeatedly, as opposed to standard attached buttons.



# ORGANIC COTTON

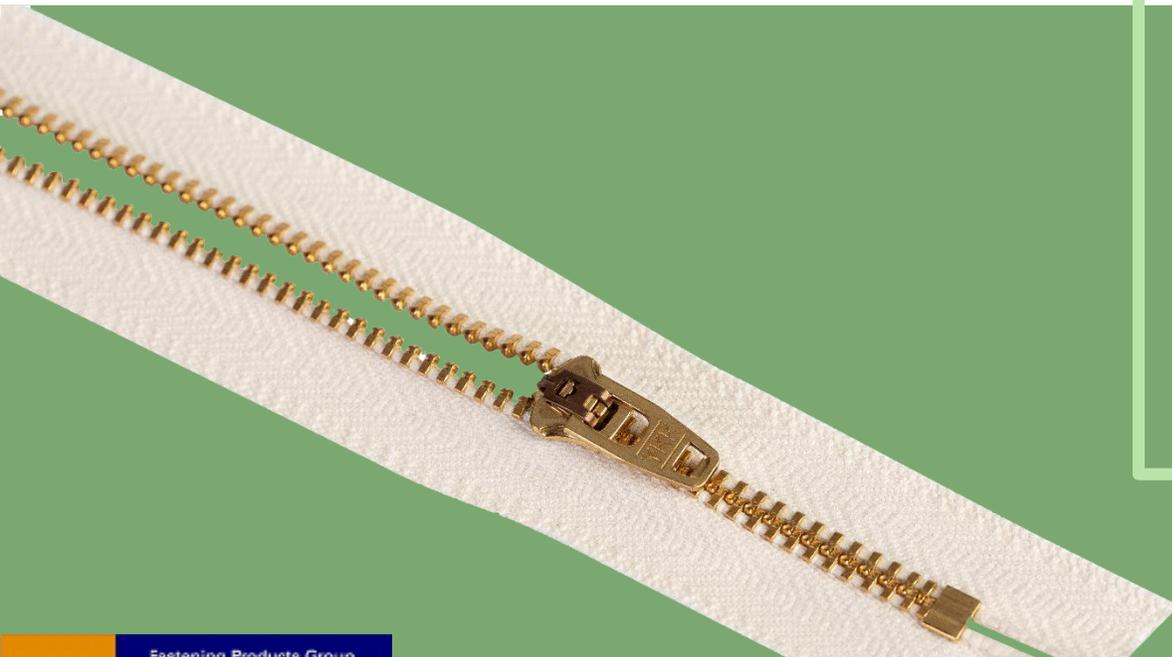
<b>Size</b>	Number 3
<b>Function</b>	Open/Closed End
<b>Colour</b>	N581S (Raw Colour)
<b>Application</b>	Denim or ready to match /dye garments
<b>Finishes</b>	YMRN (Manganese) YGR (Golden Brass)



The tape of this zipper is made of **organic cotton** which is eco-friendly in that it helps **to reduce the use of synthetic chemicals** in agriculture.



Organic Cotton thread used in this zipper is certified as **"GOTS: Global Organic Textile Standard"** cotton.



# LYOCELL FIBER ZIPPER



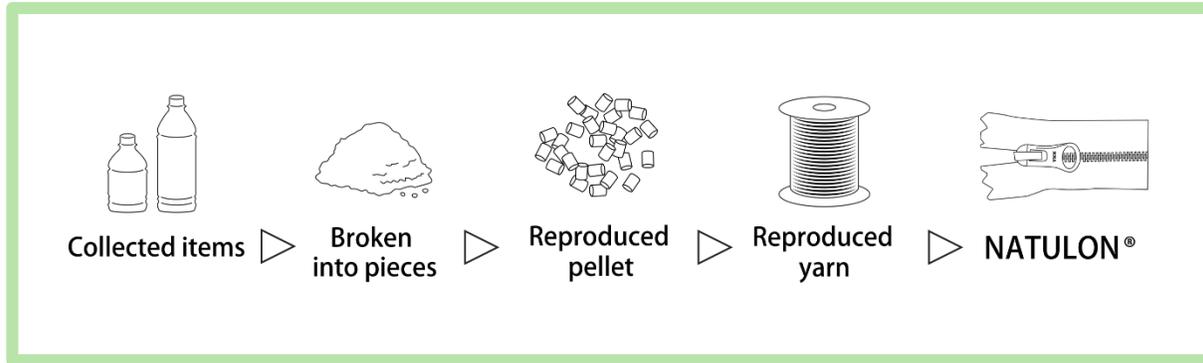
Size	Number 3
Function	Closed-End
Colour	TCL (Raw Colour)
Application	Denim o ready to match / dye garments
Finishes	YMRN (Manganese) YGR (Golden Brass)



Type of Lyocell fiber, **a biodegradable material made from wood pulp.**

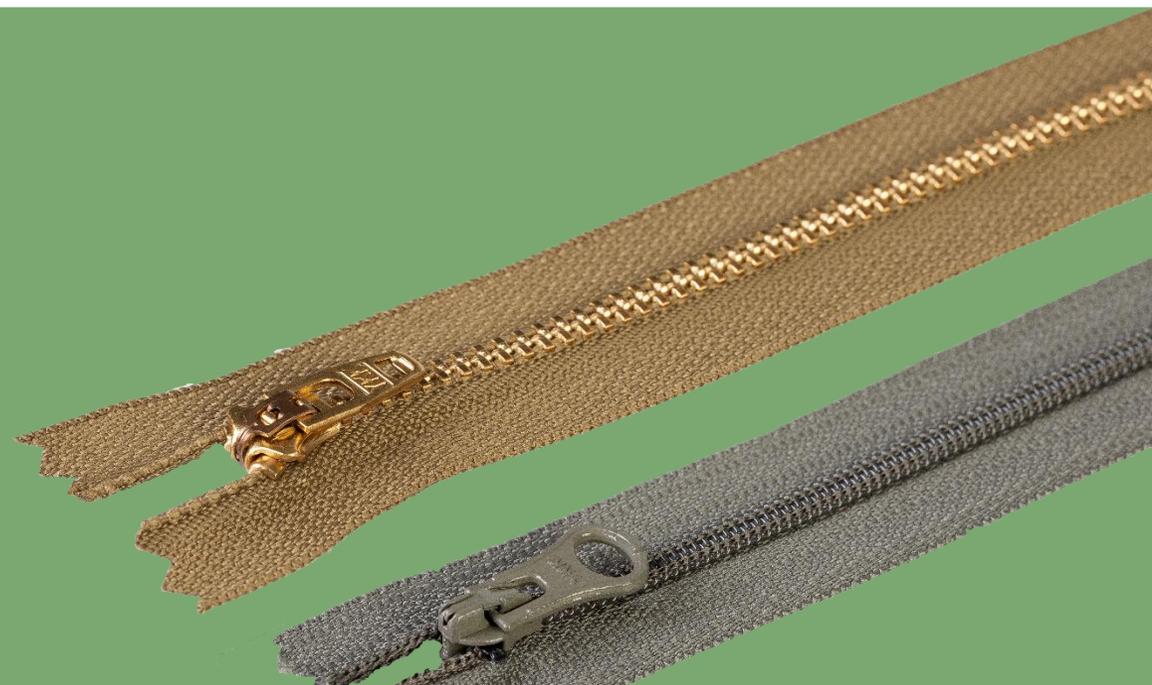
Comfort extremely **smooth touch**, ideal for sensitive or delicate skin. It absorbs moisture and dries faster than YKK standard cotton zipper.

**100% plant fiber fabric.** Provides a less favorable environment for bacterial growth and existence of mites



Product Type»	Product Code	Size	Tape Code
Metal	YGR/Other Finishes	3	PBR2D
Metal	RG/Other Finishes	5	PBR14
Coil	CF	3	PBR2D
Coil	CIF	5	PBR6D
Vislon	VS	3	PBR12
Vislon	VI	5	PBR14
Vislon	VS	8	PBR16

- ✓ NATULON® product lines are designed for customers who want to **increase the recycled content of their products.**
- ✓ NATULON® is made from recycled materials such as **PET bottles** using mechanical recycling technologies.
- ✓ All NATULON® zippers (metal) have the **Eco Tex**, which is the Japanese equivalent to EU-Ecolabel



\*Certified by current yarn supplier

# NATULON® Ocean Sourced™

Working to address the **problem of marine plastic**, YKK announces its new **NATULON® Ocean Sourced™** collection of zippers made from ocean bound plastic.

This premium collection of zippers is made from **plastic waste** that has been collected within 50 km of the coastline of **Sri Lanka**.

Furthermore, the upcycling of ocean bound plastic into **NATULON® Ocean Sourced™** zippers emits less CO2 and requires less energy to produce than zippers made out of virgin polyester.

Indistinguishable from zippers made of virgin polyester, **NATULON® Ocean Sourced™** offers the same strength, durability, and functionality as conventional zippers.



NATULON®  
OCEAN SOURCED™

# SOCIAL RESPONSIBILITIES



As every year, **YKK Tree Festival** was organized for the celebration of 5th June World Environment Day. This year, YKK (Turkey) A.S. celebrated the 12th anniversary of YKK Tree Festival with our employees. The Employees of YKK plant a lot of trees.



YKK donates to many foundation like **Tema, Six Dots Foundation** etc. every year. This year we donated to the **Aegean Forest Foundation.**

As YKK Turkey A.S within the scope of Corporate Social Responsibility we signed some beautiful projects. We are becoming **product sponsors for the fashion students**, we support for stationery needs to schools and every year we make donation to non-governmental organizations.





**Thank You!**