

SUSTAINABLE FASTENERS RESOURCES

YKK

Little Parts. Big Difference.®

YKK PHILOSOPHY CYCLE OF GOODNESS

“No one prospers without rendering benefit to others.”



As an important member of society, a company survives through coexistence. When the benefits are shared, the value of the company's existence will be recognized by society. When pursuing his business, President Yoshida was most concerned with that aspect, and would find a path leading to mutual prosperity. He believed that using ingenuity and inventiveness in business activities and constantly creating new value would lead to the prosperity of clients and business partners and make it possible to contribute to society. This type of thinking is referred to as the “Cycle of Goodness,” and has always served as the foundation of our business activities. We have inherited this way of thinking, and have established it as the YKK Philosophy.

YKK MANAGEMENT PRINCIPLE

“YKK seeks corporate value of higher significance.”



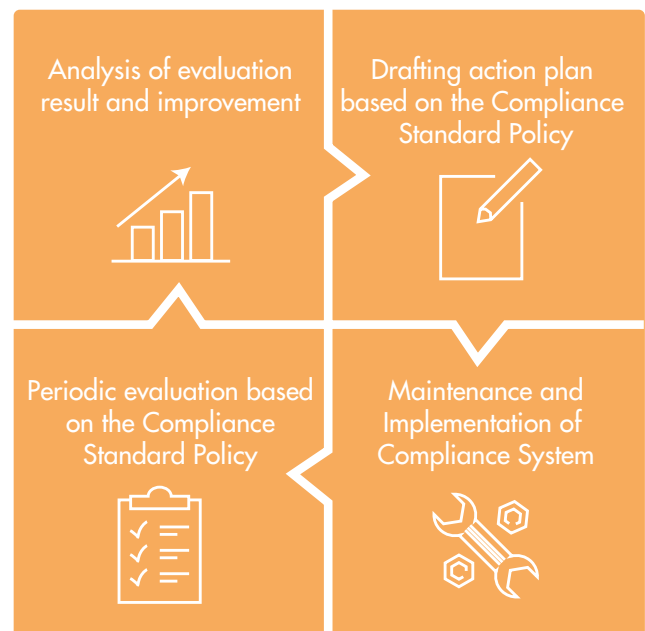
Seeking **corporate value** of higher significance,
YKK will pursue innovative quality in the seven key areas shown above.

SUSTAINABLE MANAGEMENT

YKK GLOBAL CRITERIA OF COMPLIANCE

YGCC, YKK Global Criteria of Compliance, is YKK's CSR guideline, which was created based upon YKK's philosophy of the "Cycle of Goodness" and the ISO26000 guidelines. It is formulated to embody our contribution to a sustainable society through our core business.

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



ENVIRONMENTAL SUSTAINABILITY

CHEMICAL MANAGEMENT - YKK RESTRICTED SUBSTANCE LIST

In recent years, the impact of chemicals used in the supply chain on human health and the environment is gaining greater attention.

YKK is working to eliminate hazardous chemicals from the manufacturing process and has created "YKK RSL," which is referenced from OEKO-TEX® and the Manufacturing Restricted Substances List (MRSL) of Zero Discharge of Hazardous Chemicals (ZDHC). By 2020, YKK aims to eliminate the following major substances.

	Chemical Group	Utilization
1	Surfactant	Product Detergent, Degreasing Cleaning
2	Halogenated Solvents	Paint Remover
3	Organic Tin Compound	Rail Fastener, Reinforcement Film
4	PFC's Perfluorinated Compounds	Water Repellent for AquaGuard®
5	Phthalates	Proseal® PVC tape, Plating, Chip for Vislon®
6	Heavy metals	Plating
7	Other Banned Dyesuffs	Coloring Agent
8	PAH (Polycyclic Aromatic Hydrocarbons)	Painting, Acrylic Resin Coating
9	VOC (Volatile Organic Compound)	Painting, Plating Clear

MANUFACTURING SUSTAINABILITY

ENVIRONMENTALLY FRIENDLY FINISH (Snap Fastener Finishing Technology)

YKK's original finishing technology for Snap Fastener Buttons is environmentally friendly, it utilizes the base color of materials and does not involve an electroplating process.

By not employing an electroplating process, it is possible to reduce the amount of water and electricity without using hazardous substances such as heavy metals.

By switching from the electroplating process, we are able to save about 3,600 kWh(*) per 1,000kg of our products. *3,600 kWh = Average electricity consumption per family for 20 days.

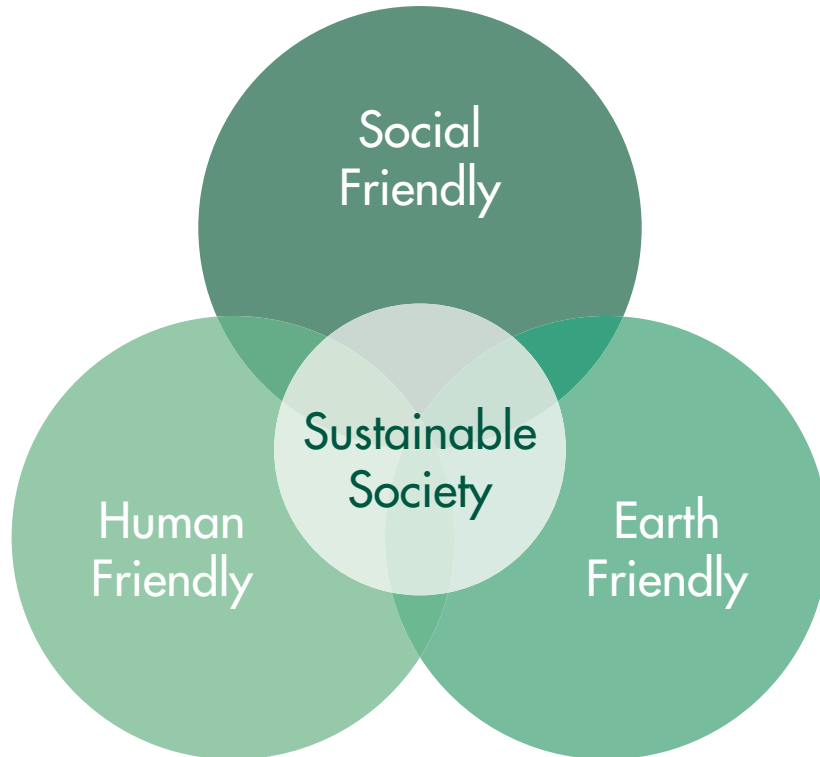
IT'STM
NOT
JUST
A ZIP

IT'STM
NOT
JUST
A SNAP

An environmental impact assessment from 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.

SUSTAINABLE PRODUCTS

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 the above sustainable production, YKK will continue developing and introducing sustainable products. NATULON®, Organic Cotton and Lyocell zipper from Tencel™ fibers are some of our representative sustainable products.





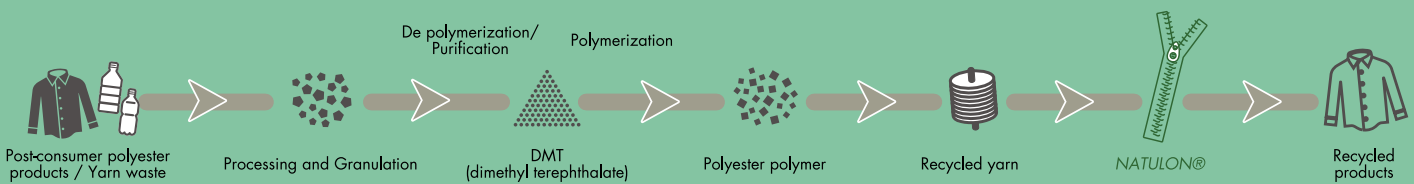
NATULON®

NATULON®

A wise use of resources is vital; it has been predicted that many resources may run out in the future. To help combat this YKK has developed NATULON® zippers by a resource-conserving, recycling-oriented product made from PET bottles, old fiber and other polyester remnants. This product is manufactured according to the following two methods.

NATULON® Chemically Recycled

This zipper is designed for customers who wish to market their finished products as recyclable. The zipper is made from recycled material using a chemical process that facilitates further recycling.

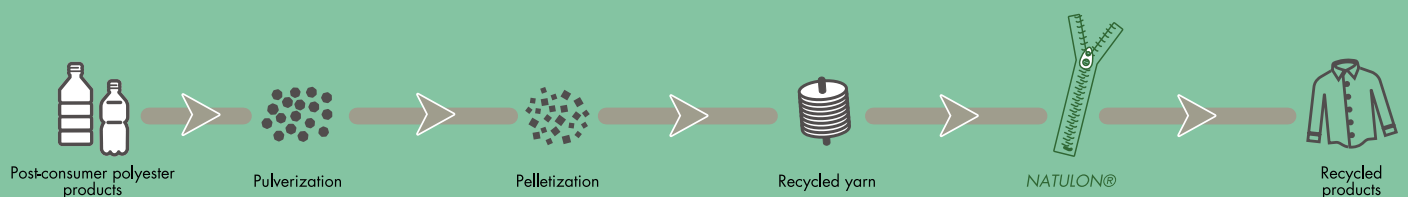


	Element	Tape	Recycled material ratio (Uncut Zipper Roll)*
Coil	Recycled PET	Recycled PET	>68%
VISLON®	Recycled PBT	Recycled PET	>77%
VISLON®	POM	Recycled PET	>28%
Metal	Brass	Recycled PET	>22%

*by weight

NATULON® Material Recycled

The resource saving fastening product made from recycled materials for customers who want to increase the recycled content of their products.



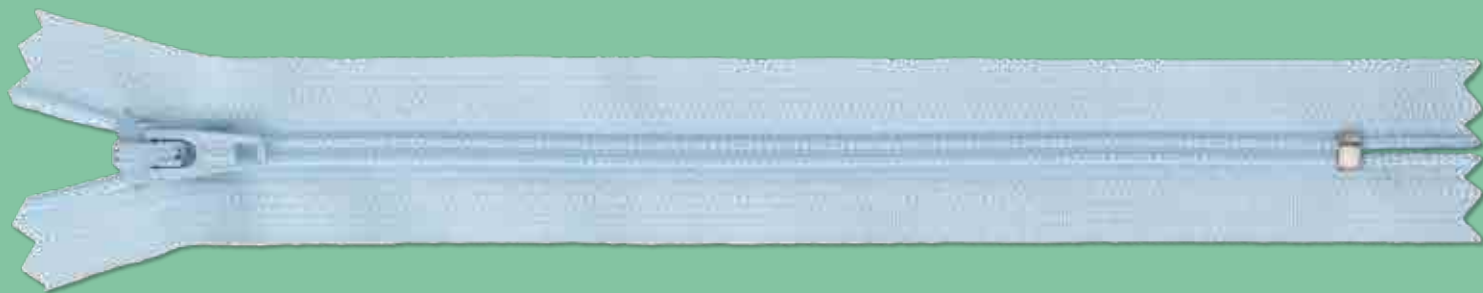
	Element	Tape	Recycled material ratio (Uncut Zipper Roll)*
Coil	Recycled PET	Recycled PET	>86%
Coil	PET	Recycled PET	>42%
RC	PET	Recycled PET	>42%
VISLON®	POM	Recycled PET	>37%
Metal	Brass	Recycled PET	>18%
YZiP®	Brass	Recycled PET	>19%

*by weight

*recycled material ratio is subject to change

- PBT= Poly Butylene Terephthalate PET=Poly Ethylene Terephthalate POM=Poly Oxy Methylene(Polyacetal).
- Recycled yarn/other material produced by third parties.

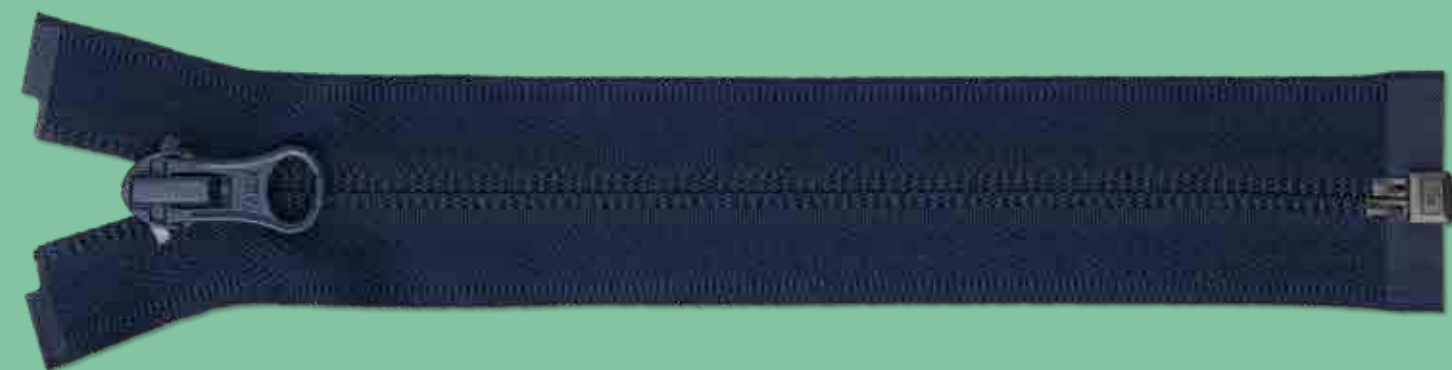
NATULON®



CFC-36 DA E PBR2A GREEN-F KENSIN N-ANTI P-TOP



YGRKBC-39 GSN8 I PBR2A GREEN-F KENSIN N-ANTI



CIFOR-56 DA8BLH E PBR6A GREEN-F KENSIN OP-V7 P-TOP REVERSE T-FILM



RGTHOR-56 DA8 H3 PBR4A EB GREEN-F KENSIN N-ANTI T-FILM

NATULON®

Size	Chain	Tape	Classification		
			Closed-end	Open end	Two Way
3	CF	PBR2A	x	x	
3	YG	PBR2A	x		
5	CIF	PBR6A	x	x	x
5	RG	PBR4A	x	x	x

ITEM ADVANTAGES

YKK always tries its best to contribute to the environment-friendly society.

NATULON® zipper tape is made from recycled PET, but the elements and other parts are the same as standard zipper.

QUALITY MATTERS

NATULON® uses recycled regenerated yarn and there are colors that can not be reproduced from the global color card due to the characteristics of the yarn (yellowing).

Because the color can not be guaranteed above the lightness L90, 12 colors (054/184/345/503/841/355/356/030/501/502/803/872) can not be supplied without using our DTM processes.



ORGANIC COTTON

ORGANIC COTTON



YMRNC-36 DA11 C5 OC12 N-ANTI YM90

Size	Chain	Tape	Classification		
			Closed-end	Open end	Two Way
3	YGR,YMRN	OC12	x	x	

ITEM ADVANTAGES

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.

QUALITY MATTERS

Organic cotton zippers can be treated like other cotton zippers.

We recommend to carry out treatments with direct dyestuffs and reactive dyestuffs in Ready to Dye. Half-bleaching and bleaching processes are not recommended. Samples of this product should always be tested in manufacturing processes prior to placing orders.



LYOCELL ZIPPER FROM TENCEL™ FIBERS

LYOCELL ZIPPER FROM TENCEL™ FIBERS



YGRC-39 GSN8 J TL12 N-ANTI YM90

Size	Chain	Tape	Classification		
			Closed-end	Open end	Two Way
3	YGR,YMRN	TL12	x	x	

ITEM ADVANTAGES

This extremely soft to the touch material for dye-to-match zipper is made from Lyocell fiber, a biodegradable material from wood pulp. It is ideal for sensitive or delicate skin, absorbing moisture and drying faster than YKK's standard cotton zipper. Furthermore, it reduces the growth of bacteria and existence of mites.

QUALITY MATTERS

It is recommended to apply this Lyocell zipper on garments with 100% TENCEL™ Lyocell fibers to obtain the same behaviour of wash shrinkage after the treatment process of the garment. We recommend to carry out treatments with direct dyestuffs and reactive dyestuffs in Ready to Dye. Half-bleaching and bleaching processes are not recommended. Samples of this product should always be tested in manufacturing processes prior to placing orders.

The image features four circular snap fasteners of different finishes: silver, gold, and rose gold. The silver and gold ones are shown from the top, displaying embossed patterns and text. The rose gold one is also shown from the top. The fourth one, at the bottom, is shown from the bottom, revealing a central stud and the text 'SINCE 1995'.

SNAP FASTENER ECO FINISH

SINCE 1995

SNAP & BUTTON ECO FINISH



JM42KA001 27L QQ05SNS(Q002) Dark Pewter

JM42BA001 27L I Antique Brass 3

JM42CA001 27L QQ02SNS(Q004) Oxidized Copper

ITEM ADVANTAGES

Eco Finish uses less water, electricity, thermal energy and process chemicals leading to a more environmental friendly production process by reducing the use and discharge of toxic chemicals.

QUALITY MATTERS

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

VARIATION

These processes can only be applied to press items (Tack Button, Burr, Snap Top, etc). 40 standard finishings are available.



YKK EMEA - EUROPE, MIDDLE EAST AND AFRICA

EUROPE

YKK EUROPE Ltd.
7th Floor, Longbow House, 14-20 Chiswell St
EC1Y 4TW London - United Kingdom
Tel. (44) 207 448 1333
Fax (44) 207 448 1345
enquiries@ykk-europe.com
www.ykk-europe.com

AUSTRIA
YKK AUSTRIA GmbH
Industriestrasse 2, A-7221 Marz
Tel. (43) 2626 62 405
Fax (43) 2626 624 55 60
sales1@ykk.at (Domestic) / sales2@ykk.at
(International)

BELGIUM
YKK FRANCE SARL - Belgium Rep. Office
Tulpenstraat 10 a - 9810 Nazareth
Tel. (32) 9 385 5751
Fax (32) 9 385 6520
sales@ykk.be

BULGARIA
YKK TURKEY, SOFIA REPRESENTATIVE OFFICE
Bldg. 4, 4F, Business Park Sofia
Mladost 4, 1766 Sofia - Bulgaria
Tel. (359) 2-489 94 33/34
Fax (359) 2-489 94 35
rep_sofia@ykk.bg

CZECH REPUBLIC
YKK CZECH spol. s r.o., Masarykova 118
664 42 Brno-Modrice
Tel. (420) 531 015 400
Fax (420) 531 015 415
sales@ykk.cz

DENMARK
YKK DANMARK A/S
Neptunvej 5A, DK-7430 Ikast
Tel. (45) 97 155 388
Fax (45) 97 155 449
ykk@ykk.dk
www.ykk.dk

FINLAND
YKK (U.K.) Ltd., SIVULIIE SUOMESSA
Teknobulevardi 3-5 PL35, 01531 Vantaa
Tel. (358) 9 759 7860
Fax (358) 9 759 78650
office@ykk.fi

FRANCE
YKK FRANCE SARL
1 bis, Rue Collange, 92300 Levallois-Perret
Tel. (33) 1 40 89 62 00
Fax (33) 1 40 89 62 22
contact@ykk.fr
www.ykk.fr

GERMANY
YKK DEUTSCHLAND GmbH
Ostring 33, D-63533 Mainhausen
Tel. (49) 618 280 50
Fax (49) 618 280 570
ykk@ykk.de
www.ykk.de

DYNAT VERSCHLUSSTECHNIK GmbH
Siemensstrasse 8, D-31177 Harsum
Tel. (49) 5127 4093 0
Fax (49) 5127 4093 50
dynat@dynat.ykk-europe.com

YKK STOCKO FASTENERS GmbH
Kirchhofstrasse 52, D-42327 Wuppertal
Tel. +(49) 202 74930
Fax +(49) 202 7493 446
stocko@stocko-ykk.de

GREECE
YKK HELLAS A.E.B.E.
6 km Thessalonikis - Oraioikastrou
A' Block 564 29 Efkarpia
Tel. (30) 24310 327830, 328270
Fax (30) 2310 317388
sales@ykk.gr

HUNGARY
YKK AUSTRIA GmbH Hungary Rep. Office
Trend 2, Gyar utca 2,
H-2040 Budaors, Budapest
Tel. (36) 1 452 7232
Fax (36) 1 452 7231
sales@ykk.hu

IRELAND
YKK (U.K.) LTD. IRELAND REP. OFFICE
3013 Lake Drive Citywest Business Campus,
Naas Road, Dublin 24
Tel. (353) 1 403 5959
Fax (353) 1 466 0070
general@ykk.ie

ITALY
YKK ITALIA S.p.A.
Via Pitagora 1, 20016 Pero (MI)
Tel. (39) 02 339 4051
Fax (39) 02 353 3008
ykk@ykk.it

LITHUANIA
YKK POLAND REP. OFFICE IN LITHUANIA
Company code: 300018485
Romas Motuzis Smolensko str. 6-220, Vilnius
Lithuania LT-03201
Tel. (370) 5 213 32 37
Fax (370) 5 233 61 32
romas_motuzis@ykk.pl

NETHERLANDS
YKK NEDERLAND B.V.
Einsteinstraat 5, 8606 JR, Sneek
Tel. (31) 515 429 729
Fax (31) 515 425 199
sales@ykk.nl
www.ykk.nl

NORWAY
YKK NORGE FILIAL AV - YKK (U.K.) Ltd
Kristian IV's plass 15, 0162, Oslo
Tel. (47) 66 85 58 50
Fax (47) 66 85 58 60
Email address: ykk_norge@ykk.no

POLAND
YKK POLAND Sp.zo.o
Ul. Tarczynska 119, Pogorzalki,
96-320 Mszczonow
Tel. (48) 46 857 07 00
Fax (48) 46 857 07 01
ykkpoland@ykk.pl
www.ykk.pl

PORTUGAL
YKK PORTUGAL
Carambancha, Estrada Nacional, 1
Km.33,3 Carregado, 2580-491 - Portugal
Tel. (351) 263-850-150
Fax (351) 263-855-082
ykk@ykk.pt

ROMANIA
YKK ROMANIA SRL
Sos. Tamasii Nr. 20, LOGISTIC PARC ROMBIZ,
HALA 5B, Buftea, Jud. Ilfov
070000 Bucharest - Romania
Tel. +(40) 21-408-7160
Fax +(40) 21-408-7199
office@ykk.ro

RUSSIA
OOO YKK
58 Kantemirovskaya St.,
115477 Moscow
Tel. (7) 495 325 30 25
Fax (7) 495 231 28 10
ykkrossia@ykkeu.com

OOO YKK
Office 63, Pirogovskaya nab., 21
194044 Petersburg, Russia
Tel. (7) 812 320 4999
Fax (7) 812 320 2094
ykkrossia@ykkeu.com

SERBIA
YKK ROMANIA SRL
Serbia Rep. Office
Kosancic Ivana 5,
21000 Novi Sad
Tel. (381) 21 473 9413
Fax (381) 21 473 9412
sales_serbia@ykk.rs

SPAIN
YKK ESPAÑA S.A.
Travessera de les Corts, 55 (Bajos)
08028 Barcelona
Tel. (34) 93 447 97 00
Fax (34) 93 440 00 03
ykk@ykk.es
www.ykk.es

SWEDEN
YKK SWEDEN FILIAL
Katrinedalsgratan 13B, 50451 Borås - Sweden
Tel. (46) 33 418 180
Fax (46) 33 416 550
office@ykk-swe.com

TURKEY
YKK METAL VE PLASTIK ÜRÜNLERİ SAN TIC A.Ş.
Maslak Mahallesi,
Eski Büyükdere Cad. No: 27
Orjin Maslak Plaza, Kat: 8 34398
Sarıyer - İstanbul TÜRKİYE
Tel. (90) 212 314 79 00
Fax (90) 212 314 79 03
trykk@ykk.com.tr
www.ykk.com.tr

UNITED KINGDOM
YKK (U.K.) Ltd.
Whitehouse Industrial Estate
Runcorn, Cheshire, WA7 3BW
Tel. (44) 1928 713 737
Fax 44 (0) 1928 593819
sales1@ykk.co.uk
www.ykk.co.uk

UKRAINE
YKK POLAND Sp. z o.o. - Representative office
Blvd.Lesi Ukrainki 34, off.42,
PO box 26
Kiev 01133, Ukraine
Tel. (380) 44 461 98 67
Fax (380) 44 461 98 69
sales_ua@ykk.pl

MIDDLE EAST

JORDAN
YKK MIDDLE EAST S.A.L., Jordan Rep. Office
15 Abdul Raheem Al Haj Mohammad Street,
2nd Floor, Office # 206, Sweifiyeh -
West Amman,
P.O.Box 3365, 11821, Amman
Tel. (962) 6 582 7929
Fax (962) 6 582 7930
ykkjo@go.com.jo

LEBANON
YKK MIDDLE EAST S.A.L
P.O.Box 16-6862 Beirut, 1100 2160
Davayan Building, Ground Floor,
Jesuites Garden, Geitawi, Beirut - Lebanon
Tel. (961) 1-586-687
Fax (961) 1-586-354
sales@ykkmiddleeast.com

UAE
YKK MIDDLE EAST S.A.L.,
Dubai-Rep Office. United Arab Emirates
Umm Hurair Road, Pyramid Centre,
Office No.308, Bur Dubai,
P.O.Box 30749 UAE
Tel. (971) 4 3362 840
Fax (971) 4 3362 841
ykkmeuae@emirates.net.ae

KAZAKHSTAN
YKK Metal ve Plastik Ürünleri Sanayi ve Ticaret A.S.
Central Asia Representative Office
Abai Avenue 42
Baykonır Business Center Floor 10,
Office 105, 05000 Almaty, Kazakhstan
Tel: +7727 225 05 02
Fax: +7727 225 05 89
ca@ykk.com.tr

AFRICA

EGYPT
YKK EGYPT S.A.E. (Private Free Zone)
Industrial Zone B3,
10th of Ramadan City, Sharkiya - Egypt
Tel. (20) 554 500266
ykk@ykk.com.eg

KENYA
YKK KENYA EPZ LTD.
Godown No.4, Simba Appareil EPZ
Refinery Road, Changamwe Mombasa
Tel. (254) 20 20 51 150
Fax (254) 20 20 54 188
saenquiries@ykkafrika.com

MOROCCO
YKK MAROC S.A.R.L.
Route 110, Lotissement Badr,
No. 6 Zone Industrielle, Ain Sebaa,
20590, Casablanca
Tel. (212) 5 22 34 29 15
Fax (212) 5 22 35 25 70
ykk@ykk.ma

SOUTH AFRICA
YKK SOUTHERN AFRICA (PTY) LTD
110 Bram Fischer Drive
Randburg - Johannesburg
Tel. (27) 11-781 4240
Fax (27) 11 781 4250
saenquiries@ykkafrika.com

YKK SOUTHERN AFRICA (PTY) LTD
30 Randworth Close Redhill - Durban
Tel. (27) 31 569 4500
Fax (27) 31 569 4501
saenquiries@ykkafrika.com

YKK SOUTHERN AFRICA (PTY) LTD
16 Imam Haron Road
Claremont - Cape Town
Tel: (+27) 21 674 6180
Fax: (+27) 21 674 6153
saenquiries@ykkafrika.com

MAURITIUS
YKK SOUTHERN AFRICA (PTY) LTD
Chady Lane
Rosehill - Mauritius
Tel. (230) 467 4431
Fax (230) 466 9508
saenquiries@ykkafrika.com

SWAZILAND
YKK SOUTHERN AFRICA (PTY) LTD
Sobhuza II Avenue
Matsapha Industrial Area Manzini
Tel. (268) 2518 6188
Fax (268) 2518 6130
saenquiries@ykkafrika.com

TUNISIA
YKK TRADING TUNISIA S.A.
Zone Industrial Sidi Abdelhamid, Street No. 7,
4061 Sidi, Abdelhamid, Sousse
Tel. (216) 73 321 180
Fax (216) 73 321 181
ykkttunisia@ykkttunisia.com

GLOBAL MARKETING GROUP

YEU GMG - Düsseldorf
Niederkaßeler Lohweg 18
40547 Düsseldorf - Germany
Tel. (49) 211 52 80 170
Fax (49) 211 52 80 17 99

SHOWROOM

YKK London Showroom
154 Commercial Street
Shoreditch London - E1 6NU
Tel. 44 (0) 207 448 1331
londonshowroom@ykk-europe.com
www.ykk-londonshowroom.com

TREND CAFÉ

YKK Trend café
Calle De Santiago 8
15001 A Coruña
trendcafe@ykk-europe.com

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