AcroPlating®

YKK's new AcroPlating® technology significantly reduces environmental impacts of metal plating.
It completely eliminates the use of harmful substances such as cyanide, chromium, and selenium from the plating process.*1
The LCA study proved a significant reduction in environmental impact.

AcroPlating®

eco-friendly plating
toxic waste: 100% eliminated

- YKK's new plating technology does not use any conventional plating chemicals and completely eliminates the use of harmful substances such as cyanide, chromium, and selenium from the plating process.*1
- Reduced environmental impact in terms of thermal energy use, greenhouse gas emissions, and sludge discharge compared to conventional electroplating.
- No heat source is used.
- Excellent resistance to corrosion and oxidation discoloration resistance (equivalent or superior to barrel plating).*2
- Reduce worker strain and improve the work environment in the manufacturing process.

electroplating
(Conventional barrel plating)

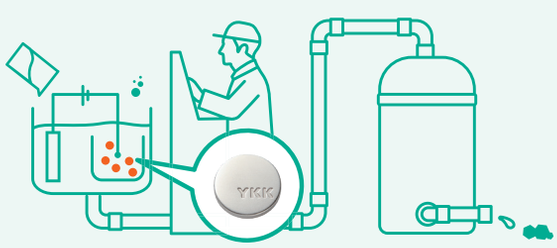
*4

Toxic chemicals
GHG, CO_2
Heat
Chemical odor
Wastewater
Sludge
Electric fan
Mask

AcroPlating®

YKK Zipper (Shenzhen) Co., Ltd. Product*3

- Toxic waste products: **100%** eliminated
- Thermal energy use: **100%** eliminated
- GHG emissions: **88%** reduction (NCOP)
- Water use: **65%** reduction (NCOP)
- Sludge generation: **90%** reduction (NBLK)
- Electricity consumption: **60%** reduction (NCOP)
- Chemical consumption: **67%** reduction (NBLK)



*4

Chemicals
GHG, CO_2
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Chemical odor
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Mask

*1 At YKK, all harmful substances and wastewater used or generated during plating operations are processed and disposed of in accordance with applicable environmental and other laws and regulations.
*2 Compared to conventional barrel-plated products at YKK.
*3 Comparison of environmental impact of AcroPlating® technology and conventional methods for brass button shells. The target surface treatment is shown in parentheses.
*4 These illustrations are schematic to show the differences in the processes in an easy to understand manner and differ from the actual ones.

YKK™
Little Parts. Big Difference.

YKK CORPORATION

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