

multiface®

UPGRADE YOUR STEEL TO PREMIUM- CLASS

The high-tech additional treatment



Additional treatments: Anti-fingerprint system

multiface® factsheet | 11/2020

multiface® – HIGH-PERFORMANCE AND SUSTAINABLE SEALING

Do you need a sustainable, permanent premium seal with excellent anti-fingerprint properties, excellent formability and excellent corrosion resistance? This is multiface®.

The multiface® coating is 1 to 2 µm in thickness and is a multifunctional, almost invisible sealant (thin organic coating = TOC) on hot-dip galvanized steel strip (Z, ZM). Its outstanding properties make multiface® extremely versatile. In addition, it is alkali-resistant and permanent.

A tailor-made polymer matrix ensures highest corrosion stability, best formability, very good paintability and insensitivity to fingerprints (anti-fingerprint).

Integrated lubrication additives allow forming without the addition of any oil. This includes high-cost processes such as oiling, degreasing, rinsing and drying.

Typical applications:

- » Household-appliance Industry
- » Construct industry
- » Electrical industry
- » Heating and ventilation industries



voestalpine Steel Division

<https://www.voestalpine.com/stahl/en/Brands/multiface-R>

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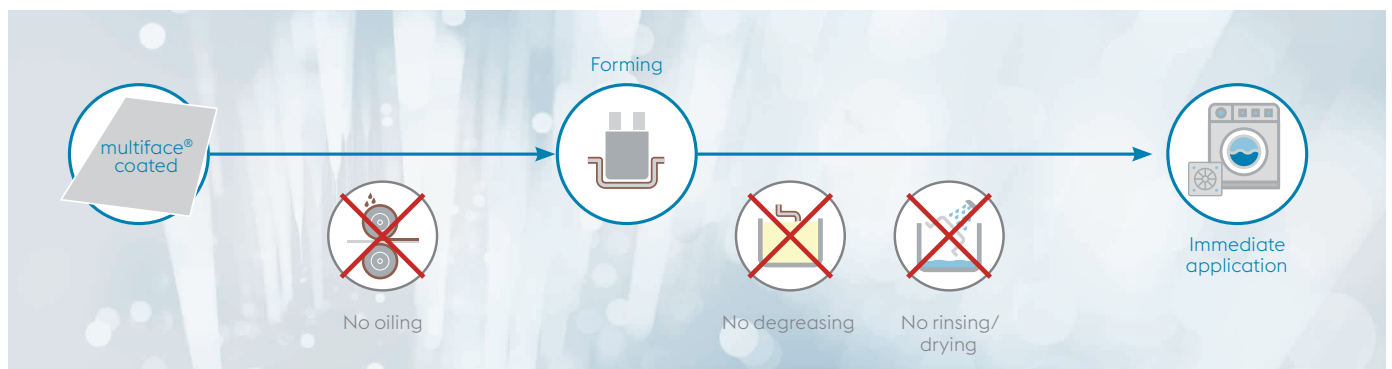
ONE STEP AHEAD.

SUSTAINABILITY AND ENVIRONMENTAL PROTECTION

The sustainable and environmentally friendly treatment from voestalpine is free of and chromium compounds and heavy metals. The corrosion protection effect is so effective that overpainting with an organic coating is not necessary, especially in indoor applications with low corrosive stress. This is how multiface® makes a significant contribution to the reduction of CO₂ and sustainable environmental protection.

DIRECT COST SAVINGS THROUGH THE REDUCTION OF PROCESS STEPS

The oiled part must not be degreased, rinsed or dried if the steel strip is coated with multiface®. Direct formability and excellent adhesive properties make it possible to apply a coating directly after the deep-drawing process. This substantially reduces the processing costs.



multiface® – PROCESSING PROPERTIES

- » High level of sustainability and environmental compatibility
- » Excellent anti-fingerprint properties
- » Free of chromium, chromium compounds and heavy metals
- » Direct coatability
- » Direct powder coating possible
- » Reduced down to three process steps
- » Alkaline resistance during processing and application
- » Excellent corrosion protection in all indoor applications (*corrosion protection classes C1 and C2, DIN EN ISO 12944-2*)
- » Dry formability
- » Joinability (*spot welding and adhesive suitability, foam adhesion*)

MULTIPLE CERTIFICATIONS

Certifications are naturally a minimum requirement at voestalpine in our effort to provide additional high-performance treatments. In many applications, actual properties go far beyond the standard minimum requirements.



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To find out more about chromium-free passivation, please visit us www.voestalpine.com/steel



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