multicover®



UPGRADE YOUR STEEL SURFACE

multicover® – THE CHROMIUM-FREE SEALANT ON HOT-DIP GALVANIZED STEEL STRIP

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

multicover® is a multifunctional and almost invisible sealant on hot-dip galvanized steel strip (Z). Its outstanding properties make multicover® extremely versatile. It is also resistant to many organic solvents such as acetone, isopropanol, MEK, etc.

A tailor-made polymer matrix ensures highest corrosion stability, best formability, very good paintability and resistance to fingerprints (anti-fingerprint). Integrated lubrication additives allow forming without the addition of any oil. This means that high-cost processes such as oiling, degreasing, rinsing and drying can be eliminated.

TYPICAL APPLICATIONS

- Household appliances: washing machines, dryers, dishwashers, hi-fi systems
- HVAC: Heating, air-conditioning and ventilation systems
- Industry: Control cabinets, metal furniture, cable ducts
- Construction industry: Roofs, facade cladding, structural profiles and elements

- Good joining properties
- Compatibility with emulsion solutions
- Reduced down to three process steps
- **Excellent anti-fingerprint properties**
- Sustainable and environmentally compatible passivation
- Excellent corrosion protection
- Good forming properties
- Direct paintability

voestalpine Steel Division
www.voestalpine.com/functional-surfaces

voestalpine
ONE STEP AHEAD.

SUSTAINABILITY AND ENVIRONMENTAL PROTECTION

The sustainable and environmentally friendly functional surface made by voestalpine is free of any 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 multicover® makes a significant contribution to the reduction of CO2 and sustainable environmental protection.

DIRECT COST SAVINGS THROUGH THE REDUCTION OF PROCESS STEPS

Components made of multicover®-coated hot-dip galvanized steel strip do not need to be degreased, rinsed or dried. The direct formability, excellent corrosion resistance and good adhesion properties make it possible to overpaint the components or use them immediately without further treatment. The minimization of process costs is the result.

multicover® – 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
- Elimination of three process steps
- Resistance to solvents 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 functional surfaces. In many applications, the actual properties of multicover® go far beyond the standard minimum requirements.

RoHs COMPLIANT · REACH COMPLIANT · UN GLOBAL COMPACT · EMAS · SUSTAINABLE DEVELOPMENT GOALS · ISO · CDP SUPPORTER 2018 · Responsible Steel standards & certification · Member of DGNB

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To find out more about functional surfaces, please visit us at **voestalpine.com/functional-surfaces**

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