Household appliances

HOUSEHOLD APPLIANCES

CONSUMER ELECTRONICS

colofer® home

Data sheet • April 2012

The number-one choice for highest quality.

colofer® home classic was specially developed by voestalpine for the household-appliance industry and is characterized by exceptional functionality and the highest degree of quality. Our many years of experience in the household-appliance industry provide us with an understanding of our customers' requirements, and colofer® home classic is a high-quality and versatile product suited to a wide variety of different applications such refrigerators, dishwashers, washing machines, clothes dryers and stovetops.

colofer® home classic is available with either a smooth or structured surface. Product properties can also be tailored to meet specific customer demands.

Properties:

- Highest degree of quality and functionality
- Many years of experience
- A variety of special products upon request

voestalpine Steel Division
www.voestalpine.com/steel

voestalpine
ONE STEP AHEAD.

colofer®

Are you looking for a special solution?
colofer® home is comprised of a comprehensive series of special products.

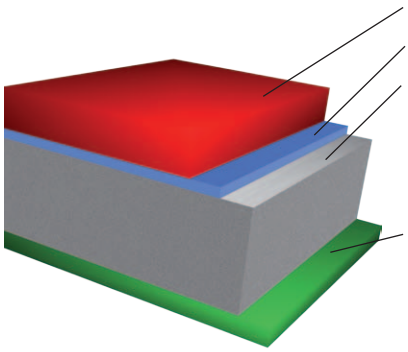
colofer® home silver stands for impressive silver shades featured in the final product for a high-quality and modern appearance.
The unlimited selection of silver shades gives your products a custom appearance that is underlined by the high-quality surface.

Show your colors with **colofer® home color**!
With the broad range of different (standard and metallic) colors, you can lend an individual touch to the final product and add welcome variety to your life.

colofer® home whiteboard stands for our handy whiteboard coating. Refrigerator doors are available with a whiteboard coating for taking notes.
The special surface makes it possible to write notes or make drawings on the surface and to erase them with ease.

Structure colofer® home

2-layer system, approx. 25 µm



- **Cover coat, approx. 20 µm**
- **Primer coat, approx. 5 µm**
- **Substrate:**
  Cold-rolled steel strip
  Electro-galvanized steel strip
  Hot-dip galvanized steel strip
- **Bottom-side coating:**
  Standard delivery of colofer® reverse with bottom-side paint coating protection.
  Special requirements are subject to separate customer specification.

Typical applications:

- Refrigerators
- Washing machines
- Stove side parts
- Dishwashers

voestalpine
ONE STEP AHEAD.

colofer®

Product properties [1)]

Properties	Testing standard/Inspection requirement	Typical values
Total layer thickness	ISO 2808:1991	Approx. 25 µm
Color	ISO 3668:1976 EN 13523-3:1999	Upon request
Mirror finish (60°)	EN 13523-2:1999	Upon request
Adhesion (cross cut)	ISO 2409:1992	Gt 0
Adhesion after bending	EN 13523-7:1999	≤ 0,5 T peel adhesion
Crack formation during bending	EN 13523-7:1999	≤ 2 T free of cracks
Scratch resistance	Based on EN 13523-12:2004	≥ 20 N
Resistance to binding agents (MEK)	EN 13523-11	100 return strokes
Resistance to cracking during rapid forming (impact)	EN 13523-5	≥ 18 J
Corrosion resistance ■ Condensed water Constant atmosphere ■ Salt spray test	 EN 13523-25:2006 EN 13523-8:1999 ISO 7253:1984	 Test duration: 500 h No formation of bubbles on surface Test duration: 240 h/35°C No formation of bubbles on surface
Resistance to detergents		Upon request
Recommended processing temperature		20–40 °C
Environmental impact		RoHS-compliant

[1)] The indicated values do not apply to colofer® home silver, colofer® home color or colofer® home whiteboard.
The properties of these products are available upon request.

All values reflect the current status of our experience and knowledge. Slight deviations may occur as a result of specific color and sheet thickness. Paper printouts cannot be updated on a regular basis. For this reason, please refer to the most recent version of the online data sheets found on our home page. Technical changes reserved, errors and misprints excepted. No part of this publication may be reprinted without explicit written permission by voestalpine Stahl GmbH.

voestalpine Steel Division
voestalpine-Straße 3
4020 Linz, Austria
T. +43/50304/15-8007
F. +43/50304/55-3148
marketing_stahl@voestalpine.com
www.voestalpine.com/steel

voestalpine
ONE STEP AHEAD.