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Valspar's Mirror Solutions

- Indoor Copper-free Mirrors
- Indoor Copper Mirrors
- Special Application
- Solar Mirrors

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About Valspar

Valspar - Quality since 1806

Founded in 1806 in Boston, Massachusetts, the Valspar Corporation is rapidly approaching its bicentennial as one of the world's 10 largest coating manufacturers. Valspar's long term continued growth has been founded principally on its people, innovative new products combined with vision in making strategic acquisitions.



In addition to traditional systems Valspar supplies environmental compliant backing coatings (lead free, waterborne, high solids and solar applications). Valspar's complete product range consisting of mirror solutions and coatings helps our customers to achieve the highest level of quality for their mirror and the highest efficiency from their equipment and process.

In recent years, Valspar has changed from being a company predominantly operating within the confines of the USA, to an organization with clients and partners in global markets. Valspar, now headquartered in Minneapolis, Minnesota represents the combination of many important pioneer firms and is the only major coating manufacturer in the world today that focuses solely on paints and coatings. Valspar operates manufacturing locations on all five Continents.

Valspar is a leading supplier of mirror solutions and mirror coatings to the global market. The exceptional experience in the mirror industry enables us to provide state-of-the-art technologies resulting the best protection for mirrors. Valspar's backing coatings are available in many colors and can be applied by curtain coater, roller coater and spray guns.



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Mirror Process

Copper-Free

Process	Description
Glass Cleaning	Degreasing and cleaning of the glass
Polishing	Polishing and activation of the glass
Activation 1	Activation for further chemical reaction
Activation 2	Activation for further improved adhesion performance
Metallization	Forming of silver layer
Passivation	Passivation of the Silver layer for improved performance
Face Cleaning	Cleaning of silver residues at the glass side
Coating	Protection of the metal layer

Copper

Process	Description
Glass Cleaning	Degreasing and cleaning of the glass
Polishing	Polishing and activation of the glass
Activation 1	Activation for further chemical reaction
Metallization	Forming of silver layer
Metallization	Forming of copper layer
Face Cleaning	Cleaning of Silver residues at the glass side
Coating	Protection of the metal layer

▶ Copper-Free Mirrors

Valspar's Mirror Products

- Indoor Copper-free Mirrors

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Copper-Free

Solution for Copper-Free Mirrors

Process	Description	Code US	Code EU
Glass Cleaning	Glass Cleaner	Dupanol	W-Deterlon-K3
Polishing	Cerium Oxide Powder	REGI525.400	REGI525.400
Activation 1	Sensitizer	RNA2000	RNA.400
Activation 2	Super Sensitizer	W-RNG-2007E	W-RNG-2007E
Metallization	Reducer	GMPMA2000	W-GMP-MA2000
Metallization	Silver	GMPMS2000	W-GMP-MS2000
Passivation	Passivation	GMP2000A	W-GMP-A
Passivation	Passivation	GMP2000B	W-GMP-B
Face Cleaning	IRON III CHLORIDE SOLUTION 40%	FECL3- SOLUTION.400	FECL3- SOLUTION.400



Copper-Free

Base Coats for Copper-Free Mirrors

Identity	Description	Lead	Yield <i>m²/Kg</i>	DFT	Remark
BC1	Standard Acrylic Base Coat	0,40%	13,2	25µm	Excellent Performance
BC2	Standard Acrylic Base Coat	0,00%	12,9	25µm	Excellent Performance
BC3	Acrylic Base Coat with improved hiding power	0,00%	12,8	25µm	Excellent Performance and Improved Hiding Power
BC4	Acrylic Base Coat with improved hiding power	0,00%	11,7	25µm	Good Performance and Improved Hiding Power

Top Coats for Copper & Copper-Free Mirrors

Identity	Description	Lead	Yield <i>m²/Kg</i>	DFT	Remark
TC1	Standard Alkyd Top Coat	0,00%	13,6	25µm	Good Performance
TC2	Standard Alkyd Top Coat	0,00%	13,4	25µm	Good Performance, Improved Application Properties
TC3	HSP Top Coat	0,00%	15,7	22µm	Excellent Performance
TC4	HSP+ Top Coat	0,00%	16,4	22µm	Excellent Performance
TC5	HSP Top Coat	0,00%	15,3	22µm	Excellent Performance, Eco Version of TC3



Copper-Free

Single Coats for Copper-Free Mirrors

Identity	Description	Lead	Yield <i>m²/Kg</i>	DFT	Remark
SC1	Standard Alkyd Single Coat	2,95%	8,0	40µm	Eco Version, moderate Performance
SC2	Standard Alkyd Single Coat	0,40%	8,0	40µm	Eco Version, moderate Performance
SC3	HSP Single Coat	2,95%	9,5	35µm	Excellent Performance
SC4	HSP Single Coat	0,40%	9,5	35µm	Excellent Performance
SC5	HSP Single Coat	0,00%	9,1	35µm	Excellent Performance
SC6	HSP Single Coat waterbase	0,00%	9,1	35µm	Excellent Performance
SC7	HSP+ Single Coat	0,00%	8,1	40µm	Excellent Performance, Compete against Epoxy
SC8	HSP+ Single Coat	0,49%	9,7	35µm	Excellent Performance, Eliminate UV Top Coat
SC9	Eco Version Single Coat	0,49%	10,9	30µm	Requires UV Top Coat

▶ Copper Mirrors

Valspar's Mirror Products

- Indoor Copper Mirrors

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Copper

Copper Mirrors

Process	Description	Code US	Code EU
Glass Cleaning	Glass Cleaner	Dupanol	W-Deterlon-K3
Polishing	Cerium Oxide Powder	REGI525.400	REGI525.400
Activation 1	Sensitizer	RNA2000	RNA.400
Metallization	Reducer	MA300	W-MA-300
Metallization	Silver	GMPMS2000	W-GMP-MS2000
Metallization	Iron Powder	AMAX.F55	FE50.400
Metallization	Copper Solution	CUA1	W-CUA1
Face Cleaning	IRON III CHLORIDE SOLUTION 40%	FECL3-SOLUTION.400	FECL3-SOLUTION.400



Copper

Base Coats for Copper Mirrors

Identity	Description	Lead	Yield m ² /Kg	DFT	Remark
BC5	Standard Acrylic Base Coat	6,60%	12,8	25µm	Excellent Performance
BC6	Standard Acrylic Base Coat	2,95%	13,2	25µm	Good Performance
BC7	Standard Alkyd Base Coat	2,90%	13,7	25µm	Good Performance, Cost Effective

Top Coats for Copper & Copper-Free Mirrors

Identity	Description	Lead	Yield m ² /Kg	DFT	Remark
TC1	Standard Alkyd Top Coat	0,00%	13,6	25µm	Good Performance
TC2	Standard Alkyd Top Coat	0,00%	13,4	25µm	Good Performance, Improved Application Properties
TC3	HSP Top Coat	0,00%	15,7	22µm	Excellent Performance
TC4	HSP+ Top Coat	0,00%	16,4	22µm	Excellent Performance
TC5	HSP Top Coat	0,00%	15,3	22µm	Excellent Performance, Eco Version of TC3



Copper

Single Coats for Copper Mirrors

Identity	Description	Lead	Yield m ² /Kg	DFT	Remark
SC10	Standard Alkyd Single Coat	6,60%	8,0	40µm	Good Performance
SC1	Standard Alkyd Single Coat	2,95%	8,0	40µm	Eco Version, Moderate Performance
SC11	HSP Single Coat	6,60%	9,3	35µm	Excellent Performance
SC3	HSP Single Coat	2,95%	9,5	35µm	Excellent Performance
SC4	HSP Single Coat	0,40%	9,5	35µm	Excellent Performance

▶ Special Application

Valspar's Mirror Products

- Special Application

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Special Application

Base Coats for Automotive & Cosmetic

Identity	Description	Lead	Yield m ² /Kg	DFT	Remark
BC2	Standard Acrylic Base Coat	0,00%	12,9	25µm	Excellent Performance
BC8	Standard Acrylic Base Coat	0,06%	11,8	25µm	Good Performance
BC9	Standard Acrylic Base Coat	0,00%	11,9	25µm	Good Performance

Top Coats for Automotive & Cosmetic

Identity	Description	Lead	Yield m ² /Kg	DFT	Remark
TC1	Standard Alkyd Top Coat	0,00%	13,6	25µm	Excellent Performance

Single Coats for Automotive & Cosmetic

Identity	Description	Lead	Yield m ² /Kg	DFT	Remark
SC5	HSP Single Coat	0,00%	9,1	35µm	Excellent Performance
SC6	HSP Single Coat waterbase	0,00%	9,1	35µm	Excellent Performance
SC4	HSP Single Coat	0,00%	9,6	35µm	Moderate Performance, Suitable for Copper





Special Application

Decorative Glass Coatings

Description	Lead	Color	DFT	Remark
HP Decorative Glass Coating	0,00%	Various color shades available	Variable	High performance, suitable for outside exposure
Standard Decorative Glass Coating	0,00%	Various color shades available	Variable	Very good performance, suitable for interior exposure

Special Application

Flasks

Description	Product
W-KS-E	Silver Solution
W-KA	Reducer Alkali
W-KR	Reducer
W-RX	After Cleaning Washing

Ornaments

Description	Product
W-ATS	Silver Solution
W-ATA	Reducer Alkali
W-2X-KR-3L	Reducer

Manual Silvering of Glass Objects

Description	Product
W-ATS	Silver Solution
W-ATA	Reducer Alkali
W-2X-KR-3L	Reducer

Hologram/ Check Cards

Description	Product
RNA.400	Sensitizer
W-ES-1E	Silver Solution
W-GS-100	Wetting Agent
W-VR	Reducer Solution
WVS-159E	Silver Solution

▶ Solar

Valspar's Mirror Products

- Solar Mirrors

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Solar Copper Solution

Process	Description	Code US	Code EU
Glass Cleaning	Glass Cleaner	Dupanol	W-Deterlon-K3
Polishing	Cerium Oxide Powder	REGI525.400	REGI525.400
Activation 1	Sensitizer	RNA2000	RNA.400
Metallization	Reducer	MA300	W-MA300
Metallization	Silver	MS-VP-1E	W-MS-VP-1E
Metallization	Iron Powder	AMAX.F55	FE50.400
Metallization	Copper Solution	CUA1	W-CUA1
Face Cleaning	IRON III CHLORIDE SOLUTION 40%	FECL3-SOLUTION.400	FECL3-SOLUTION.400





Solar Coating for Copper-Mirrors

Identity	Code	Lead	Yield <i>m²/Kg</i>	DFT	Remark
None	GSB3-03370-00	4,00%	10,7	30µm	Solar Base Coat
None	GSB3-03730-00	3,30%	10,8	30µm	Solar Base Coat
None	GSB3-03855-00	9,80%	10,5	30µm	Solar Base Coat
None	GSI7-03770-00	0,40%	10,8	30µm	Solar Intermediate
None	GSI7-03110-00	9,78%	11,3	30µm	Solar Intermediate
None	GST9-03720-00	0,00%	11,7	30µm	Solar Top Coat PU
None	GST9-04300-01	0,00%	11,8	30µm	Solar Top Coat Hybrid



High Surface Protection

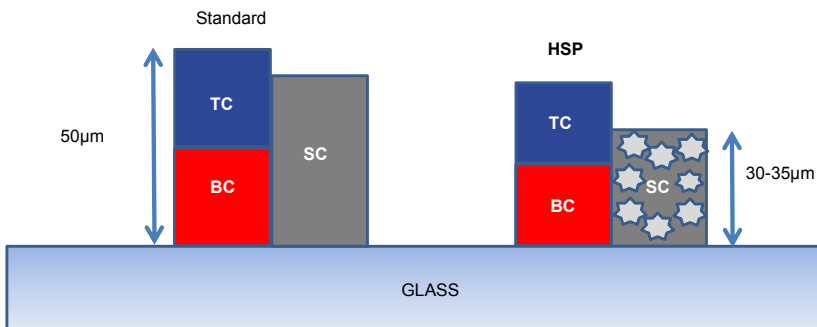
HSP (High-surface protection) technology offers a unique combination of performance and fabrication advantages. It improves significantly the corrosion resistance and reduces the overall costs of the mirror

High Performance

The HSP technology is based on a very dense cross-linked resin matrix, which provides an excellent barrier effect. Mirrors coated with HSP type paint are much more resistant against corrosive atmospheres like CASS or chemical tests like HCL dipping

Reduced Costs:

HSP technology allows the application of 10-25% lower dry film thickness leads to a significant reduction of the applied costs.



The Valspar Advantage

As the leading global supplier of mirror coatings and Solutions, Valspar helps develop, protect and advance the mirror design and heritage of many of the world's best-known brands. Whether your goal is to develop a new generation of mirror designs, meet ever-changing regulatory challenges or to enhance the sustainability of a final product, you can count on Valspar to deliver the solutions you need

Security of Supply

Our customers are supported around the world by Valspar's renowned technical expertise. We'll work side-by-side with you, at your facilities, to refine or perfect your application or to improve the performance and profitability of your manufacturing service. Whatever the challenge, we'll respond with a personalized, cost-effective and efficient solution every time. Our technical service includes a proven track record of in-plant commissioning, conducting line audits, optimization of new line setup and technical trial support.

Located in every region of the world, Valspar supports customers with a consistent, uninterrupted supply of product. Valspar's record of consistent product quality and supply allows our customers to concentrate on what matters most, the satisfaction of their customers.

For any other product inquiries please contact your local sales representative

Valspar Industries GmbH

Friedensstrasse 40D-52249 Eschweiler
Phone: +49-2409 709 140
www.valsparmirror.com/mirror

Mail: Tobias.Wingensiefen@Valspareurope.com



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