

# Product Catalogue



W+S GmbH Lackchemie und Aerosol-Technik

# **W+S GmbH**

**We do more than corrosion protection!**

## W+S Aerosols

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## W+S Varnishes

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**W+S GmbH Lackchemie & Aerosol-Technik is a medium sized independent company based in Karlstein, lower Franconia. It was founded in 1980 with the aim to produce and sell high quality corrosion protection and zinc coating products. The company started with two products: WS-Zink 80/81 – a high quality zinc repair paint and WS-Plast thick layer coating M 4200 – which is especially suitable for the coating of galvanized surfaces. Both products are still the major brands and top sellers of our company.**

**In 1996, the company moved to the present location Karlstein am Main. This movement and expansion were enabled by rising customer demands and an increasing product range. Therefore, it was decided to improve different products like WS-Plast®, WS-Zink® 80/81 and Galvanal® in the same year. From now on, they should also be available as aerosols.**

**To meet customers' requirements and to be able to continue an independent production, the company invested in a fully automatical filling machine for aerosols. It realizes the single steps – filling – closing – gassing – marking and labelling – in a completely automatical way and ensures a constant high quality of our products.**

**The modern and efficient filling and production machine enabled W+S GmbH to become active as a contract filler and establish in this field in the following years.**

**With a product range of more than 250 different articles, today W+S GmbH is one of the leading companies in zinc coatings and corrosion protection.**

**The company has 30 employees, who do not only provide an excellent customer service, but also produce approx. 500 tons of lacquer and 2.5 million spray tins a year.**

# W+S-Aerosols





## WS-Zink®-Products

### Recovery of damaged areas in the hot dip galvanizing

#### WS-Zink® 22-01

Zinc like shine

High zinc-containing zinc/aluminum spray for the repair of damaged areas on hot-dip galvanized parts, with suitability test according to DIN EN ISO 1461 from an independent testing institute.

Container size: 400 ml ..... Item No. 77413221

#### WS-Zink® PURE 900

zinc grey

WS-Zink® PUR 900 is an active corrosion protection spray with particularly good conductivity during spot welding and can be recoated well with commercially available paints. Corresponds to DIN EN ISO 1461. The corrosion protection depends on the chosen quality of surface pretreatment. It should be as metallic pure as possible in accordance with EN ISO 8501.

Container size: 400 ml ..... Item No. 77413900

#### WS-Zink® 80/81

Zinc like shine



With WS-Zink® Spray 80/81 it is possible to reach 120 µm layer thickness on vertical surfaces with one operation. Corresponds to DIN EN ISO 1461. WS-Zink® 80/81 is excellently corrosion-resistant against atmospheric influences. The outstanding protective effect is based on the electrochemical behavior of the metallic zinc dust, which first oxidizes in an aggressive atmosphere due to its less noble structure compared to iron, and then effectively protects the underlying iron structure.

Container size: 400 ml ..... Item No. 77413999

#### WS-Zink® Repair 108

silver

WS-Zink® Repair 108 is a high-quality, heat-resistant corrosion coating for the repairing of hot-dip galvanized parts. Furthermore, it is used in air conditioning, refrigeration and ventilation technology, in vehicle and body construction and in metal construction as a well-covering metal coating. The product adheres well to steel, zinc, non-ferrous metals and plastics.

Container size: 400 ml ..... Item No. 77413108



**Galvanal®**

*silver, metallic reflecting*

Galvanal® is a glossy liquid aluminum spray for use on car rims, exhaust systems, aluminum components, galvanized surfaces, air conditioning, refrigeration and ventilation systems, vehicle bodies, heat-stressed equipment and housings, for the visual enhancement of zinc and zinc dust coatings.

Container size: 400 ml ..... Item No. 77413888

**Galvanal® Cristall**

*silver shining*

Galvanal® Cristall is a liquid aluminum spray for use on car rims, exhaust systems, aluminum components, galvanized surfaces, air conditioning, refrigeration and ventilation systems, vehicle bodies, heat-stressed devices and housings. For the visual improvement of zinc and zinc dust coatings, etc. The product is characterized by its high abrasion resistance.

Container size: 400 ml ..... Item No. 77413800

**WS-Nirosta**

*Metallic shiny*

WS-Nirosta provides all metals a metallic scratch and weather-resistant surface finish. The adhesion is also guaranteed on wood, cardboard, stone and many plastics. WS-Nirosta behaves electrochemically neutral on chromium-nickel steels, therefore you can often abstain from chemical pickling at subordinate sites.

Container size: 400 ml ..... Item No. 77413200



**WS-Silane Thermal Paint**

*black mat*

WS-Silan is a high quality special varnish with a guaranteed heat resistance of up to 800 ° C. The product has anti-corrosion properties. Suitable for temperature-stressed steel items such as exhausts, stoves, grills, etc.

Container size: 400 ml ..... Item No. 77413464

**WS-Clearcoat**

*high gloss*

WS-Clearcoat is a high-quality, colorless 1-component coating varnish, especially for 2-layer metallic finishes. The spray is not yellowing, is fast drying and weather resistant.

Container size: 400 ml ..... Item No. 77413006

**WS-Acrylic Paint Spray**

*high gloss*

WS-Acrylic Paint Spray is a high-quality, extremely fast-drying, glossy spray paint with the best weather resistance. Excellent color gradient for even surfaces inside and outside. On request, it can also be produced in silk matt for you!

Container size: 400 ml ..... Item No. 77419999

**WS-Synthetic Resin Paint Spray**

*high gloss*

WS-Synthetic resin paint spray is a glossy quality synthetic resin paint for trade and hobby. Excellent adhesion to almost all materials. Suitable for inside and outside.

Container size: 400 ml ..... Item No. 77449999

**We stir the acrylic and synthetic resin paint sprays for you in all RAL colors.  
The minimum purchase per color is a box of 12 tins.**





**WS-Rust Remover**

WS-Rust Remover dissolves stuck and corroded connections of screws, bolts, locks and hinges, through its excellent creeping capacity. A further rusting is prevented. Due to the simultaneous lubricating effect creaking and squeaking is prevented and protection against further wearing is given.

Container size: 400 ml ..... Item No. 77413630

**WS-150 Cold Degreaser**

WS-150 Cold Degreaser cleans oily and greasy sheets, profiles, light metal, plastic and rubber parts. Also removes mold release agents, does not attack metal parts.

Container size: 400 ml ..... Item No. 77413515

**WS-Spray-Cleaner**

WS-Spray-Cleaner is a residue-free cleaner, especially for the cleaning of brake systems, clutches and engine systems. Dissolves resin and adhesions of old lubricants and oils.

Container size: 400 ml ..... Item No. 77413634

**WS-160 Cold Degreaser**

WS-160 Cold Degreaser cleans smooth, firm surfaces of grease and pigment soiling as well as adhesive residues and printing inks. Easily removes paper labels and residues of pressure-sensitive adhesives. Suitable for plastic, stainless steel or glass surfaces. Does not attack metal parts and painted surfaces.

Container size: 400 ml ..... Item No. 77413516

**WS-Paint-Residue-Remover**

WS-Paint-Residue-Remover works reliably with commercially available one- and two-component paints. Paint residues can be easily removed with a spatula after a short exposure time. Contains no CHC (methylene chloride).

Container size: 400 ml ..... Item No. 77413012



**WS-40 Multifunctional Oil**

The WS-40 Multifunktionsöl forms a hardly greasing lubrication film, sucks into the smallest pores, cleans, dissolves resinified lubricants, displaces water, is antistatic and protects against moisture and corrosion. Universal lubricant for precision mechanics, electronics, mold making, automotive mechanics, industrial and model making.

Container size: 400 ml ..... Item No. 77413600

**WS-Stainless Steel Care Spray**

WS-Stainless Steel Care Spray cleans and maintains matt and polished stainless steel surfaces. Contaminants such as grease, oil and finger marks are easier to remove. The spray leaves a wafer-thin care film that counteracts re-polluting.

Container size: 400 ml ..... Item No. 77413638

**WS-Siliconespray**

WS Siliconespray is a high-quality liquid lubricant that leaves a permanent lubricating film on plastic, metal or rubber surfaces. It enters deeply into porous surfaces and impregnates even work clothes and work gloves. As an anti-adhesive agent, it reliably prevents the sticking of sticky media.

Container size: 400 ml ..... Item No. 77413250

**WS-Teflon spray**

WS-Teflonspray is manufactured on the basis of finest PTFE waxes. Particle size: less than 3 µm acc. AST MB 330. Coefficient of friction: 0.1 Temperature resistant from -240 °C to 260 °C. Softens from 315 °C, does not melt. Therefore it is an indispensable and reliable lubricant and release agent in mold and plastic construction and fine tool manufacturing.

Container size: 400 ml ..... Item No. 77413633

**WS-Release spray TST 401**

WS-Release spray TST 401 is a silicone-free release agent for welding technology and plastics processing based on natural oils. Prevents adhesion of welding beads. Also usable as nozzle protection spray. Has a good separating and cleansing effect.

Container size: 400 ml ..... Item No. 77419030



**WS-Korrogrund®**  
grey

WS-Korrogrund® primer spray in the colors gray and maroon, is a fast-drying corrosion protection primer with excellent passivating effect. Recoatable with all 1K topcoats based on synthetic resin (alkyd resin). For other 1K paints, a sample coating is recommended in case of doubt. WS-Korrogrund® can be used on all steel, iron and cast parts indoors and outdoors. The product is ideal for all applications of locksmithing, metal or steel construction, plant and mechanical engineering, container construction, etc. and is resistant to cold and tropical temperatures.

Container size: 400 ml ..... Item No. 77413072

**WS-Korrogrund®**  
maroon

WS-Korrogrund® primer spray in the colors gray and maroon, is a fast-drying corrosion protection primer with excellent passivating effect. Recoatable with all 1K topcoats based on synthetic resin (alkyd resin). For other 1K paints, a sample coating is recommended in case of doubt. WS-Korrogrund® can be used on all steel, iron and cast parts indoors and outdoors. The product is ideal for all applications of locksmithing, metal or steel construction, plant and mechanical engineering, container construction, etc. and is resistant to cold and tropical temperatures.

Container size: 400 ml ..... Item No. 77413112

**WS-Plast® Thickfilm M 4200**

*silky mat*

Original **WS-Plast®** spray can to repair damaged areas due to transport or installation. Smaller zinc coatings can be done directly on site.

Container size: 400 ml

**Available Colors:**

0001 smithy black .....	Item No. 77410001
0003 graphit EG .....	Item No. 77410003
0008 black mica .....	Item No. 77410008
0021 brillant-black .....	Item No. 77410021
DB 703 grey .....	Item No. 77413073
RAL6005 mossgreen .....	Item No. 77416005
RAL7016 anthracite .....	Item No. 77417016
RAL7030 stone grey .....	Item No. 77417030
RAL9010 pure white .....	Item No. 77419010



**WS-Sprayboy**

**Spray tower**

The optimal help for a uniform application from the spray can.

..... Item No. 9860724

# WS-Plast®

Resistant protective coating  
in duplex system



**WS-Plast® Thickfilm M 4200**

*silkmat*

WS-Plast® Thick Film M 4200 is a pure acrylate paint system which, due to its special composition, adheres to zinc and aluminum surfaces without any primer. It is suitable for use as a duplex system (hot dip galvanizing plus coating) depending on the layer thickness and the ambient conditions for coating acc. to EN ISO 12944. It is also suitable for coatings of hot-dip galvanized enclosures, gates, balcony railings, lamps, gutters, steel structures, blacksmithing, as well as non-anodized aluminum components such as porches, flagpoles, cladding, etc. Always electrostatically adjusted. WS-Plast® thick film M 4200 can be rolled, sprayed or painted.

Container size: 750 ml

0001 black wrought iron .....	Item No. 10110001
RAL 6005 mossgreen .....	Item No. 10116005
RAL 9010 pure white .....	Item No. 10119010



Container size: 2,5 l

0001 black wrought iron .....	Item No. 10210001
0002 eloxal brown .....	Item No. 10210002
RAL 1013 perl white .....	Item No. 10211013
RAL 6005 moss green .....	Item No. 10216005
RAL 7001 silver grey .....	Item No. 10217001
RAL 7016 anthracite .....	Item No. 10217016
RAL 8017 chocolate brown .....	Item No. 10218017
RAL 9002 grey white .....	Item No. 10219002
RAL 9010 pure white .....	Item No. 10219010
RAL 9016 traffic white .....	Item No. 10219016



Container size: 11 kg

0001 black wrought iron .....	Item No. 10310001
0002 eloxal brown .....	Item No. 10310002
RAL 1013 perl white .....	Item No. 10311013
RAL 6005 moss green .....	Item No. 10316005
RAL 7001 silver grey .....	Item No. 10317001
RAL 7016 anthracite .....	Item No. 10317016
RAL 8017 chocolate brown .....	Item No. 10318017
RAL 9002 grey white .....	Item No. 10319002
RAL 9010 pure white .....	Item No. 10319010
RAL 9016 traffic white .....	Item No. 10319016



Container size: 30 kg

0001 black wrought iron .....	Item No. 10410001
0002 eloxal brown .....	Item No. 10410002
RAL 1013 perl white .....	Item No. 10411013
RAL 6005 moss green .....	Item No. 10416005
RAL 7001 silver grey .....	Item No. 10417001
RAL 7016 anthracite .....	Item No. 10417016
RAL 8017 chocolate brown .....	Item No. 10418017
RAL 9002 grey white .....	Item No. 10419002
RAL 9010 pure white .....	Item No. 10419010
RAL 9016 traffic white .....	Item No. 10419016



**Required dilution for WS-Plast® and WS-Plast® EG**

**WS-Plast® Dilution MV 751** ..... see page 16

**Special Colors:**

Special Colors can be mixed according to RAL standard. Due to production reasons special colors are only produced in 2.5 l cans, 11 kg buckets or 30 kg Hobbock.



**WS-Plast® Thickfilm M 4200 EG**

*silkmat*

Container size: 750 ml

0003 graphite EG .....	Item No. 10110003
0004 silver (RAL 9006) .....	Item No. 10110004
0005 copper .....	Item No. 10110005
0007 old copper .....	Item No. 10110007
0008 black mica .....	Item No. 10110008



Container size: 2,5 L

0003 graphite EG .....	Item No. 10210003
0004 silver (RAL 9006) .....	Item No. 10210004
0005 copper .....	Item No. 10210005
0007 antique copper .....	Item No. 10210007
0008 black mica .....	Item No. 10210008
0010 steel mica .....	Item No. 10210010
0017 azure mica .....	Item No. 10210017
0018 emerald mica .....	Item No. 10210018
0019 amber mica .....	Item No. 10210019
0020 stainless steel satin * .....	Item No. 10210020
0021 brilliant-black EG .....	Item No. 10210021
0023 nobel-rust bright .....	Item No. 10210023
0024 nobel rust dark .....	Item No. 10210024
RAL 9007 grey aluminium .....	Item No. 10219007
DB 701 silver grey .....	Item No. 10210701
DB 702 grey .....	Item No. 10210702
DB 703 grey .....	Item No. 10210703
DB 704 grey .....	Item No. 10210704



Container size: 11 kg

0003 graphite EG .....	Item No. 10310003
0004 silver (RAL 9006) .....	Item No. 10310004
0005 copper .....	Item No. 10310005
0007 antique copper .....	Item No. 10310007
0008 black mica .....	Item No. 10310008
0009 black metallic .....	Item No. 10310009
0010 steel mica .....	Item No. 10310010
0017 azure mica .....	Item No. 10310017
0018 emerald mica .....	Item No. 10310018
0019 amber mica .....	Item No. 10310019
0020 stainless steel satin * .....	Item No. 10310020
0021 brilliant-black EG .....	Item No. 10310021
0023 noble rust bright .....	Item No. 10310023
0024 nobel rust dark .....	Item No. 10310024
RAL 9007 grey aluminium .....	Item No. 10319007
DB 701 silver grey .....	Item No. 10310701
DB 702 grey .....	Item No. 10310702
DB 703 grey .....	Item No. 10310703
DB 704 grey .....	Item No. 10310704



Container size: 30 kg

0003 graphite EG .....	Item No. 10410003
0004 silver (RAL 9006) .....	Item No. 10410004
0005 copper .....	Item No. 10410005
0007 antique copper .....	Item No. 10410007
0008 black mica .....	Item No. 10410008
0009 black metallic .....	Item No. 10410009



Further DB colors on request.



\*Due to technical reasons this color is not electrostatically adjusted

**WS-Patina**

*silkmat*

WS-Patina is an effective spot color for wrought-iron work on pure acrylate basis. It is suitable for indoor and outdoor use. WS-Patina is used for optical change of e.g. stair railings, garden gates, candlesticks, signs, lanterns, bars, lamps. There is no need for subsequent sealing.

Container size: 250 ml

0011 patina green .....	Item No. 16110011
0012 patina copper .....	Item No. 16110012
0013 patina silver .....	Item No. 16110013
0014 patina gold .....	Item No. 16110014
0015 patina purple .....	Item No. 16120015
0016 patina gold bronze .....	Item No. 16110016

Container size: 11 kg Eimer (auf Anfrage)

0011 patina green .....	Item No. 16310011
0012 patina copper .....	Item No. 16310012
0013 patina silver .....	Item No. 16310013
0014 patina gold .....	Item No. 16310014
0016 patina gold bronze .....	Item No. 16310016

Required dilution:

**WS-Plast®** Dilution MV 751 ..... see page 16



**WS-Plast® Brush Paint K 3706**

*satin glossy*

Thick-coat single-coat paint predominantly for painting and rolling on galvanized steel and aluminum with active corrosion protection, low solvent content. Specially developed for small parts and repairs. Available in RAL and NCS shades acc. to color group table.

Container size:

3 kg .....	Item No. 10513706
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Required dilution:

**WS-PUR** Dilution UV 150 ..... see page 40



**WS-Plast® Dilution MV 751**

For thinning **WS-Plast®-Thickfilm M 4200** (and EG), **WS-Primer M 4021** und **WS-Patina**.

Container size:

1000 ml .....	Item No. 18110751
5 l .....	Item No. 18310751
10 l .....	Item No. 18410751
30 l .....	Item No. 18510751





# WS-Zink®

Restore damaged areas  
in the hot dip galvanizing



**WS-Zink® 80/81**

*zinc-like shine*

The proven high-zinc repair paint for hot-dip galvanized components of all kinds, with more than 90% metallic zinc dust in the pigment, according to DIN EN ISO 1461. WS-Zink® 80/81 is pasty, due to that you can achieve a high film thicknesses in one operation. WS-Zink® 80/81 is spreadable ready.

**Container size:**

100 ml .....	Item No. 11118081
250 ml .....	Item No. 11218081
500 ml .....	Item No. 11318081
1000 ml .....	Item No. 11418081
18 kg .....	Item No. 11518081

**Required Dilution:**

**WS-Nitro-Universal-Dilution ZV 559** ..... see page 39



**WS-Zink® PUR 2000**

*Zinc like shine*

One-component moisture-curing polyurethane zinc dust coating in accordance with DIN ISO EN 1461. Also complies with the German supplement to this standard. Zinc similar shining. The product must be fully processed after opening.

**Container size:**

100 ml .....	Item No. 11112000
250 ml .....	Item No. 11212000



**WS-Zink® A 6005**

*grey*

1 component zinc dust primer. WS-Zink® A 6005 has approx. 95% pure zinc dust in dry film. When the surface has been sandblasted first, it is particularly suitable for heavy corrosion protection.

**Container size:**

1000 ml .....	Item No. 11116005
2,5 l .....	Item No. 11216005
25 kg .....	Item No. 11316005

**Required Dilution:**

**WS-Nitro-Universal-Dilution ZV 559** ..... see page 39



**WS-Zink® Repair Paint 108**

*silver*

WS-Zink® Repair Paint 108 is a zinc / aluminum paint, suitable for repairing galvanized components on the building site or in the workshop. The epoxy resin ester binder in combination with metallic zinc and aluminum pigmentation ensures good corrosion protection even in an aggressive atmosphere. The adhesion to iron or zinc -surfaces is good.

**Container size:**

250 ml .....	Item No. 11110108
500 ml .....	Item No. 11210108
1000 ml .....	Item No. 11310108



# WS-Anti-Zinc-Paste



**WS-Anti-Zinc Paste**

grey

WS-Anti-Zinc Paste is a coating material for the coating of steel parts that need to stay zinc-free during hot-dip galvanizing. WS-Anti-Zinc Paste is pasty, acid-resistant and heat-resistant due to specially selected pigments and fillers. The material is ready for brushing and is also ideal for thick-walled components with a longer residence time in the zinc bath. A second coat also reliably protects threaded bolts. In addition, a sharp demarcation of the areas to be covered without infiltration is possible.

Container size:

250 ml ..... Item No. 11112012



1000 ml ..... Item No. 11212012



7,5 kg ..... Item No. 11312012



# I-K Basecoats



**WS-Korrogrund®**

*grey or maroon*

Fast-drying, high-quality corrosion protection primer with active pigments, free of lead and chromate, rich, mild in odour, electrostatically adjusted.

Container size: 2,5 l

grey ..... Item No. 12113526  
 maroon ..... Item No. 12113601

Container size: 12,5 kg

grey ..... Item No. 12213526  
 maroon ..... Item No. 12213601

Container size: 35 kg

grey ..... Item No. 12313526  
 maroon ..... Item No. 12313601

**Required dilution for WS-Korrogrund®:**

**WS-Plast®** Dilution MV 751 ..... see page 16  
 Resin dilution KV 657 ..... see page 39



**WS-Korrogrund® MIX**

Quick-drying, high-quality zinc phosphate corrosion protection primer in RAL standard colors, electrostatically adjusted.

Standard colors:

Container size: 12,5 kg

ca. RAL 5012 light blue ..... Item No. 12215012  
 ca. RAL 6011 reseda green ..... Item No. 12216011  
 ca. RAL 7035 light grey ..... Item No. 12217035  
 ca. RAL 9005 tiefschwarz ..... Item No. 12219005  
 ca. RAL 9010 pure white ..... Item No. 12219010

Special colors:

Other RAL tones on request ..... Item-No. 12219999

**Required dilution for WS-Korrogrund® MIX:**

**WS-Plast®** Dilution MV 751 ..... see page 16  
 Resin dilution KV 657 ..... see page 39



**WS-Primer M 4021**

*sand yellow*

Low solvent thickfilm high solid zinc phosphate primer (medium solid). Especially for the overcoating with WS-Plast® Thickfilm. Recoatable with all standard one-component, solvent-based coating systems. Compatibility has to be tested by a trial coating. Does not stick on hot galvanized ground. Electrostatically adjusted. Sand yellow.

Container size:

750 ml ..... Item No. 12114021  
 2,5 l ..... Item No. 12214021  
 11 kg ..... Item No. 12314021  
 30 kg ..... Item No. 12414021

**Required dilution:**

**WS-Plast®** Dilution MV 751 ..... see page 16



**WS-Alu Contact Paint AK 7900**

*shiny*

WS-Alu Contact Paint AK 7900 is conductive and protects against corrosion. Strong UV exposure can cause hue changes. WS-Alu-contact-color AK 7900 does not affect the electrical resistance during arc and inert gas welding. WS-Alu Contact Paint AK 7900 is suitable for steel sheets and pipes exposed to heat up to 400° C.

Container size:

2,5 l ..... Item No. 16117900  
 10 l ..... Item No. 16217900



# 2-K Basecoats



**WS-Epoxy Primer E 2030**

sand yellow

2-K thick-layer primer, zinc phosphate containing, based on epoxy resin. Suitable as 2-component zinc primer. Made in accordance with TL / TP KOR 687.02. Electrostatic adjusted.

Mixing ratio: 5 : 1 by weight with specified hardener.

Container size:

5 kg ..... Item No. 12112030  
 10 kg ..... Item No. 12212030

Required combinations:

WS-Epoxy-Hardener EH 203 ..... see page 38  
 WS-Epoxy-Dilution EV 250 ..... see page 39



**WS-Epoxy-Zinc Dust Primer E 2021**

grey

Highly pigmented zinc dust primer based on epoxy resin. Conforms to TL / TP-KOR 687.03. Suitable for highest loads in heavy corrosion protection.

Mixing ratio: 10 : 1 by weight with specified hardener.

Container size:

10 kg ..... Item No. 12112021

Required combinations:

WS-Epoxy-Hardener EH 202 ..... see page 38  
 WS-Epoxy-Dilution EV 250 ..... see page 39



**WS-PUR-Acryl-Primer U 1100**

grey green

2-component pure acrylate anticorrosive primer, zinc phosphate containing for overcoating with PUR-ACRYL topcoats. Good adhesion to non-anodized aluminum. Electrostatically adjusted.

Mixing ratio: 10 : 1 by weight with specified hardener.

Container size:

5 kg ..... Item No. 12111100  
 10 kg ..... Item No. 12211100

Required combinations:

WS-PUR-Acryl Hardener UH 104 ..... see page 38  
 WS-PUR-Dilution UV 150 ..... see page 40



**WS 4+1 HS Acrylfiller**

oxid yellow

Chromate-free, high-solid (MS-quality) 2-component acrylic filler based on polyurethane. Equally well suited for machine and apparatus construction. Pleasantly slightly wet and dry sandable.

Mixing ratio: 4 : 1 by weight with specified hardener.

Container size:

4 l ..... Item No. 12115003

Required hardener:

Hardener H 10 short ..... see page 38





# I-K Topcoats



**WS-CorroXXan K 3707**

*satin glossy*

Corrosion protection and topcoat in one. Quick-drying, well-covering synthetic resin machine paint, with active corrosion protection, ideally suited for the overhauling of production machines, transport racks, oversea containers, crane systems or steel structures. Can be processed without anti-rust primer. Electrostatically adjustable if requested.

Container size:

2,5 l .....	Item No. 1311707x
5 l .....	Item No. 1321707x
11 kg .....	Item No. 1331707x
30 kg .....	Item No. 1341707x



**WS-Super-Varnish 3701**

*high glossy*

Resin-machine paint, top quality, impact-resistant, for high-glossy, weather-resistant and durable coatings exterior and interior, for metal and wood, heat-resistant up to 140° C, for painting, spraying or rolling. Not electrostatically adjustable. Miscible according to RAL and NCS.

Container size:

2,5 l .....	Item No. 1311701x
5 l .....	Item No. 1321701x
11 kg .....	Item No. 1331701x
30 kg .....	Item No. 1341710x



**WS-Machine-Paint K 3702**

*glossy*

Fast-drying and well-covering synthetic resin machine paint, scratch-resistant and productive. Not electrostatically adjustable. Miscible according to RAL and NCS.

Container size:

2,5 l .....	Item No. 1311702x
5 l .....	Item No. 1321702x
11 kg .....	Item No. 1331702x
30 kg .....	Item No. 1341702x



**WS-Machine-Paint K 3710**

*silkmat*

Fast-drying and well-covering synthetic resin machine paint, scratch-resistant and productive. Not electrostatically adjustable. Miscible according to RAL and NCS.

Container size:

2,5 l .....	Item No. 1311710x
5 l .....	Item No. 1311710x
11 kg .....	Item No. 1331710x
30 kg .....	Item No. 1341710x

**Required dilution for above-mentioned paints:**

WS-Resin dilution KV 657 .....	see page 39
WS-Fast hardener dilution KV 500 .....	see page 40
WS-Plast® dilution MV 751 .....	see page 16



**WS-Super-Metallic-Paint K 3704**

*glossy*

Synthetic resin machine paint in metallic colors. Top quality, impact-resistant, for durable, weather-resistant coatings on metal and wood, predominantly outdoors. Not electrostatically adjustable.

Container size: 2,5 l

RAL 9006 white aluminum ..... Item No. 13113704

RAL 9007 grey aluminum ..... Item No. 13113704

Container size: 5 l

RAL 9006 white aluminum ..... Item No. 13213704

RAL 9007 grey aluminum ..... Item No. 13213704

Container size: 11 kg

RAL 9006 white aluminum ..... Item No. 13313704

RAL 9007 grey aluminum ..... Item No. 13313704

Container size: 30 kg

RAL 9006 white aluminum ..... Item No. 13413704

RAL 9007 grey aluminum ..... Item No. 13413704



**WS-Acryl-Paint**

*glossy, satin gloss, silkmat or mat*

1-component, solvent-based, extremely fast-drying acrylic paint for high-quality finishes both indoors and outdoors. Hand dry after 30 minutes. Always electrostatically adjusted.

Container size **WS-Acrylic-Paint 4110** – glossy

2,5 l ..... Item No. 1311411x

5 l ..... Item No. 1321411x

11 kg ..... Item No. 1331411x

30 kg ..... Item No. 1341411x

Container size **WS-Acrylic-Paint 4120** – satin gloss

2,5 l ..... Item No. 1311412x

5 l ..... Item No. 1321412x

11 kg ..... Item No. 1331412x

30 kg ..... Item No. 1341412x

Container size **WS-Acrylic-Paint 4140** – silky mat

2,5 l ..... Item No. 1311414x

5 l ..... Item No. 1321414x

11 kg ..... Item No. 1331414x

30 kg ..... Item No. 1341414x

Container size **WS-Acrylic-Paint 4180** – mat

2,5 l ..... Item No. 1311418x

5 l ..... Item No. 1321418x

11 kg ..... Item No. 1331418x

30 kg ..... Item No. 1341418x

**Required dilution:**

WS-PUR-Dilution UV 150 ..... see page 40



**WS-Zapon-Varnish**

*high glossy*

Non-yellowing high-solid acrylic clearcoat for metals and non-ferrous metals. Prevents the adhesion of patina on copper or the blackening of aluminum sheets. Also sticks on polished stainless steel parts, which are installed in non-exposed places.

Container size:

2,5 l ..... Item No. 16135004



**WS-SILAN-Topcoat 4640**

*black, silkmat*

WS-Silan-Topcoat 4640 is used for all temperature-stressed parts in the areas of: Mechanical engineering, equipment construction, plant engineering, in the domestic area for barbecues, fireplaces, ovens or similar (no food authenticity). WS-Silan-Topcoat 4640 is a silicone resin stoving lacquer for steel and metal surfaces with temperature loads up to max. 800° C. The final fully hardness is reached after heating for the first time to at least 180° C. WS-Silan-Topcoat 4640 is moderately grifffast, light chalking is possible.

Container size:

2,5 l ..... Item No. 13114640

10 kg ..... Item No. 13214640



**WS-Chlorinated Rubber-Varnish M 4400**

*satın gloss*

Special coating for underwater coating of mineral substrates (swimming pools, ponds, wells, etc.) as well as chemical protection paint against diluted acids and alkalis, also on appropriately primed steel.

Container size: 12,5 kg

light blue, sea green, white ..... Item No.16214400

Container size: 5 kg

Miscible according to RAL and NCS ..... Item No.16114400

Required dilution:

WS-Nitro-Universal-Dilution ZV 559 ..... see page 39



**WS-Iron-Mica-Paint K 3920**

*satın gloss*

Iron mica paint based on long oil alkyd resin for brushing, conventional or airless spraying in the area of heavy corrosion protection of steel parts according to TL/TP KOR-steel structures.

Container size: 12,5 kg

DB 701 silver grey ..... Item No. 3110701

DB 702 grey ..... Item No. 3110702

DB 703 grey ..... Item No. 3110703

Required dilution:

WS-Resin Dilution KV 657 ..... see page 39



# 2-K Topcoats



**WS-PUR-Acryl-Smooth-Finish**

*glossy, satin gloss or silkmat*

2-component pure polyurethane acrylic paint for high-quality finish painting. Good weather, chemical and color resistance. Electrostatically adjusted. Miscible according to RAL and NCS.

Container size **WS-PUR-Acryl-Smooth-Finish 2000** – glossy

- 5 kg ..... Item No. 1411000x
- 10 kg ..... Item No. 1421000x

Gebindegrößen **WS-PUR-Acryl-Smooth-Finish 2200** – satin gloss

- 5 kg ..... Item No. 1411200x
- 10 kg ..... Item No. 1421200x

Gebindegrößen **WS-PUR-Acryl-Smooth-Finish 2400** – silky mat

- 5 kg ..... Item No. 1411400x
- 10 kg ..... Item No. 1421400x

Mixing ratio: 5 : 1 by weight with specified hardener.

**Required combinations:**

- WS-PUR-Acrylic-Hardener H 25 ..... see page 38
- WS-PUR-Dilution UV 150 ..... see page 40



**WS-PUR-Acryl-Smooth-Finish U 1275**

*silky mat*

2-component PUR iron mica pure acrylic lacquer for high-quality finishes and as top coat in the EG system. Good weather, chemical and color resistance. Electrostatically adjusted.

Container size: 10 kg

- DB 501 blue ..... Item No. 14111501
- DB 502 blue ..... Item No. 14111502
- DB 601 green ..... Item No. 14111602
- DB 602 green ..... Item No. 14111603
- DB 701 silver grey ..... Item No. 14111701
- DB 702 grey ..... Item No. 14111702
- DB 703 grey ..... Item No. 14111703
- DB 704 grey ..... Item No. 14111704
- 0003 graphite ..... Item No. 14111003
- 0008 black mica ..... Item No. 14111008
- 0010 radiant glimmer ..... Item No. 14111010

Mixing ratio: 10: 1 by weight with specified hardener.

**Required combinations:**

- WS-PUR-Acrylic-Hardener UH 175 ..... see page 38
- WS-PUR-Dilution UV 150 ..... see page 40



### WS-PUR-Acryl-Textured-Paint 2001

*satin glossy*

WS-PUR-Acryl-Textured-Paint 2001 is a fast-drying 2-component polyurethane acrylic paint for the industrial coating of machines, components, containers, steel structures, agricultural machinery and construction vehicles for painting, rolling or spraying. WS-PUR-Acryl Textured Paint 2001 results in a pore-tight, structured surface that is hard elastic, mechanically and chemically resistant. It is suitable for a high-quality, scratch-resistant, semi-glossy finish coating on metallic surfaces indoors and outdoors.

Mixing ratio: 5 : 1 by weight with specified hardener.

Container size:

5 kg ..... Item No. 1411001x  
 10 kg ..... Item No. 1421001x

**Required combinations:**

WS-PUR-Acryl Hardener A 61 ..... see page 38  
 WS-PUR-Dilution UV 150 ..... see page 40



### WS-PUR-Acryl-Brush-Paint 2201

*satin gloss*

2-component pure polyurethane acrylic paint for painting and rolling. PUR-Acryl-Brush Paint 2201 is a high-quality coating mainly used as final coating in the 2-component EG system. Exceptional weathering, chemical and color resistance.

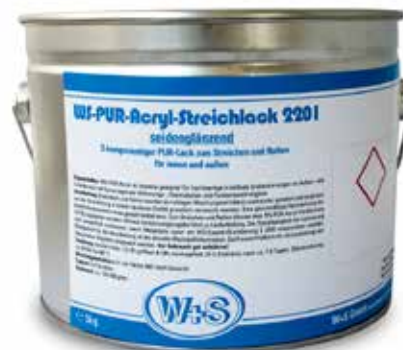
Mixing ratio: 10: 1 by weight with specified hardener.

Container size:

5 kg ..... Item No. 1411022x

**Required combinations:**

WS-PUR-Acryl-Hardener A 61 ..... see page 38  
 WS-PUR-Dilution UV 150 ..... see page 40



### WS-PUR-Acryl-Professional 2010

*high gloss*

High-glossy, 2-component, machine paint for highest demands and weather resistance. Extremely scratch and impact resistant, air drying and oven drying at 80° C. Available in all RAL colors acc. color chart table and house shades of machine and commercial vehicle manufacturers. Electrostatically adjusted.

Mixing ratio: 3 : 1 by weight with specified hardener.

Container size:

3 kg ..... Item No. 1421010x  
 6 kg ..... Item No. 1411010x

**Required combinations:**

WS-PUR-Acryl-Hardener H 25 ..... see page 38  
 WS-PUR-Dilution UV 150 ..... see page 40



**WS-Epoxy-Topcoat E 2220 HS**

*glossy*

2-component epoxy resin topcoat in high-solid quality, low solvent content. Fulfills all EG regulations (e.g., VOC) for solvent reduction beyond 2010. Particularly strong mechanical and chemical claims. Electrostatically adjusted.

Mixing ratio: 6 : 1 by weight with specified hardener.

Container size:

6 kg ..... Item No. 14112220

**Required combinations:**

WS-Epoxy-Hardener EH 201 ..... see page 38

WS-Epoxy-Dilution EV 250 ..... see page 39



**WS-Epoxy-Topcoat E 220 I**

*glossy*

Iron mica topcoat based on epoxy according to DB specification. As a 2-component primer on hot-dip galvanized surfaces or as intermediate coat in heavy corrosion protection. Electrostatically adjusted.

Mixing ratio: 5 : 1 by weight with specified hardener.

Container size:

10 kg ..... Item No. 14112201

**Required combinations:**

WS-Epoxy-Hardener EH 204 ..... see page 38

WS-Epoxy-Dilution EV 250 ..... see page 39





# Cleaners & Maintenance Products



**WS-Rust-Remover-Fluid**

Due to its extraordinary creeping ability, this fluid dissolves stuck and corroded connections of screws, bolts, locks and hinges. Further rusting is prevented. The simultaneous lubricating effect prevents creaking and squeaking.

Container size:

5 l ..... Item-No. 17863050



**WS-150-Cold Degreaser**

*quickly fleeing*

WS-150 Cold Degreaser is a cleaner for oily and greasy sheets, profiles, rubber, light metal and plastic parts. WS-150-Cold Degreaser is perfect for preparing surfaces which have to be painted. Also removes mold release agents. WS-150-Cold Degreaser is very suitable for cleaning devices of small parts.

Container size:

5 l ..... Item-No. 17851550



**WS-160-Cold Degreaser**

*slowly fleeing*

Gentle cleaning agent based on low-aromatic solvents with a high flash point. Perfect for cleaning applications in precision mechanics and electronics.

Container size:

5 l ..... Item-No. 17851650



**WS-silicone-fluid** \_\_\_\_\_

Film-forming lubricants. Protects and impregnates plastic, rubber and textile fabrics. Anti-adhesive.

Container size:  
5 l ..... Item-No. 17865050



**WS-40-Multifunction-Fluid** \_\_\_\_\_

Multifunctional fluid with many functions such as: Stops squeaking and creaking, protects against corrosion in precision engineering, protects against the freezing of door locks, door rubbers and antennas, creeps and displaces moisture, acts antistatic, for electronic systems, dries wet ignition systems and eliminates startup problems. Silicone free.

Container size:  
5 l ..... Item-No. 17860050



**WS-Stainless Steel Care Fluid** \_\_\_\_\_

WS-Stainless Steel Cleaning Fluid cleans and cares for matt and polished stainless steel surfaces. Contaminants such as grease, oil and finger marks are easier to remove. It leaves a wafer-thin care film that counteracts re-polluting.

Container size:  
5 l ..... Item-No. 17863850



**WS-All-Purpose-Cleaner**

*slightly alkaline*

Concentrate for cleaning heavy and difficult to remove soiling. Cleans machines, engines, vehicles and plant equipment. Can be used in almost all cleaning and degreasing cases in trade and industry. Acid-free, non-toxic, not harmful to health, biodegradable. Can be used for manual cleaning, in high-pressure cleaner and spray extraction device.

Container size:

5 l ..... Item-No. 17830050

Registered with the Federal Environmental Agency under UBA No. 1258 0010



**WS-Power-Cleaner CPE 150**

Self-acting cleaning concentrate. Degreases metals, dissolves resinified fats, oils, soot and nicotine deposits. Cleans even the most persistent dirt during post-fire restaurant etc. The professional cleaning concentrate for hand cleaning and high-pressure cleaners. Biodegradable.

Container size:

5 l ..... Item-No. 17832050

Registered with the Federal Environmental Agency under UBA No. 1258 0011



**WS-Metal-Cleaner**

*sour*

WS-Metal-Cleaner is a highly concentrated cleaner for mineral soiling such as lime, cement veil, rust, etc. Suitable for the cleaning of iron, non-ferrous metals and anodized surfaces. WS-Metal-Cleaner is ideally suited as a highly effective rim cleaner for aluminum and steel rims. WS-Metal-Cleaner removes soot and brake dust.

Container size:

5 l ..... Item-No. 17820050

Registered with the Federal Environmental Agency under UBA No. 1258 0012



# Dilutions & Hardener



**WS-PUR-Acryl Hardener**

Hardener H 10 short for WS-PUR-Acryl-Filler  
 1 kg ..... Item-No. 19115210

Hardener H 25 for WS-PUR-Acryl-Topcoats  
 1 kg ..... Item-No. 19115225

Hardener A 61 for WS-PUR-Acryl-Texture- or Brush- Paint  
 1 kg ..... Item-No. 19115260  
 0,5 kg ..... Item-No. 19215260

Hardener UH 104 für WS-PUR-Acryl-Primer  
 0,5 kg ..... Item-No. 19110104  
 1 kg ..... Item-No. 19210104

Hardener UH 175 for WS-PUR-Acryl U 1275  
 1 kg ..... Item-No. 19110175



**WS-Epoxy-Hardener**

Hardener EH 201 for WS-Epoxy E 2220  
 1 kg ..... Item-No. 19110201

Hardener EH 202 for WS-Epoxy E 2021  
 1 kg ..... Item-No. 19110202

Hardener EH 203 for WS-Epoxy E 2030  
 1 kg ..... Item-No. 19110203  
 2 kg ..... Item-No. 19210203

Hardener EH 204 for WS-Epoxy E 2201  
 1 kg ..... Item-No. 19110204



### WS-Resin-Dilution KV 657

For thinning WS-Korrogrund® und synthetic resin topcoats.

Container sizes:

- 5 l ..... Item-No. 18210657
- 10 l ..... Item-No. 18310657
- 30 l ..... Item-No. 18410657



### WS-Nitro-Universal-Dilution ZV 559

For thinning WS-Zink® 80/81, WS-Zink® A 6005 and Nitro paints.

Container sizes:

- 5 l ..... Item-No. 18110559
- 10 l ..... Item-No. 18210559
- 30 l ..... Item-No. 18310559



### WS-Epoxy-Dilution EY 250

For thinning epoxy primers and topcoats.

Container sizes:

- 1000 ml ..... Item-No. 18110250
- 5 l ..... Item-No. 18210250
- 10 l ..... Item-No. 18310250
- 30 l ..... Item-No. 18410250



**WS-Washing-Dilution RV 895**

Mild odor, good cleaning

Container sizes:

- 5 l ..... Item-No. 18110895
- 10 l ..... Item-No. 18210895
- 30 l ..... Item-No. 18310895



**WS-fasthardener-Dilution KV 500**

For thinning synthetic resin paints, at the same time accelerates the drying and hardening of the paints.

Container size:

- 1000 ml ..... Item-No. 18110500



**WS-PUR Dilution UY 150**

For thinning WS-PUR-Acrylic primers and topcoats.

Container sizes:

- 1000 ml ..... Item-No. 18110150
- 5 l ..... Item-No. 18210150
- 10 l ..... Item-No. 18310150
- 30 l ..... Item-No. 18410150





# Equipment

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### Industrial ring brushes

Bright bristle, wooden handle, plastic bandage. Delivery only in boxes of 12 pieces. Various sizes:

Size 4	= approx. 25 mm	Item-No. 98610044
Size 6	= approx. 30 mm	Item-No. 98610144
Size 8	= approx. 35 mm	Item-No. 98610244
Size 10	= approx. 40 mm	Item-No. 98610344
Size 12	= approx. 45 mm	Item-No. 98610444



### Paint brushes

Pure black China bristle, wooden handle, metal bandage. Delivery only in boxes of 12 pieces. Various sizes:

Width 1,0"	= approx. 25 mm	Item-No. 98611044
Width 1,5"	= approx. 40 mm	Item-No. 98611144
Width 2,0"	= approx. 50 mm	Item-No. 98611244
Width 2,5"	= approx. 60 mm	Item-No. 98611344



### Radiator-brush

Bright bristle, wooden handle - about 40 cm long, metal-bandage. Delivery only in boxes of 12 pieces. Various sizes:

Width 1,0"	= approx. 25 mm	Item-No. 98630044
Width 1,5"	= approx. 40 mm	Item-No. 98630144
Width 2,0"	= approx. 50 mm	Item-No. 98630244
Width 2,5"	= approx. 60 mm	Item-No. 98630344



### Flat brush

Bright, metal-filled bristle, screwable plastic handle, metal-bandage. Container clamping device. Delivery only in boxes of 12 pieces.

Size 12 x 3 cm	Item-No. 98620044
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**Paint rollers**

Width: 10 cm.

- Short velor 4 mm paint rollers ..... Item-No. 98650444
- Moltopren (foam) paint rollers ..... Item-No. 98650244
- Perlon Velor Premium painting rollers ..... Item-No. 98650344

Delivery only in pack of 10 pieces.



**Paint roller handle**

For holding 10 cm paint rollers. Metal shaft, plastic handle.

- 44 cm ..... Item-No. 98650044



**Paint tray**

Solvent-resistant plastic tray with scraper surface.

- 18 x 30 cm ..... Item-No. 98682444



**Viscosity measuring cup**

- Aluminum, extruded  
DIN 4 mm ..... Item-No. 98682544

- Plastic  
DIN 6 mm ..... Item-No. 98682644



**3M Standard paint mask set 6000** \_\_\_\_\_

Contents: mask body, 2 x filter A2, 4 x filter P3, 2 x filter housing cover,  
10 x cleaning cloth, 1 x storage box

Size M or L ..... Item-No. 98671044



**3M Premium paint mask set 7500** \_\_\_\_\_

Content: Premium mask body, 2 x filter A2, 4 x filter P3, 2 x filter housing  
cover, 10 x cleaning cloth, 1 x storage box

Size M or L ..... Item-No. 98671144



**3M replacements** \_\_\_\_\_

Filter cartridge A2  
Active filter cartridge for 3M paint masks (2 pieces minimum order)  
..... Item-No. 98671244

Particle filter P3  
Particle insertion filter, protection level P3R (2 pieces minimum purchase)  
..... Item-No. 98671344

further 3M products on request



**for water-based cleaners and care products** \_\_\_\_\_

Plastic bottle 1000 ml with hand spray head  
..... Item-No. 99061044

**Cup gun**

We carry various models from different manufacturers. Different designs and nozzle sizes on request! Fine atomization with high area performance. Optimal work results in all application areas. Highly flexible spray pressure setting.



**Zinc files**

Special files to plaster hot dip galvanized parts. Zinc noses, zinc picks and slag inclusions can easily be rasped away without the files becoming clogged and the galvanizing parts getting damaged. Shortens the working time when plastering by about 50%. All files with mounted shaft!

Zinc file, shallow point, 1 round edge, special cut  
250 x 25 x 6 mm ..... Item-No. 98681744



Zinc file, convex curved (zinc plane), special cut  
190 x 25 x 5,5 mm ..... Item-No. 98681644



Zinc file, flat, milled, 13 teeth per inch  
300 x 29 x 6,5 mm ..... Item-No. 98681844



**Zinc Files Starter Set**  
All three above special files in a box at a special price.  
..... Item-No. 98681544

## ITW-Ransburg No. 2®

We are an authorized dealer for the complete range of replacement parts for the named electrostatic spraying systems. Please contact us!

The electrostatic hand spray gun no. 2® is named for particularly fine atomization and nearly 100% paint yield. Efficiency, environmental friendliness and high quality are its main features. Instead of a nozzle, it is equipped with an air-driven, rotating spray bell and works with ultrafine, purely electrostatic atomization. With a paint yield of almost 100%, the No.2 achieves unsurpassed paint savings. This makes it the ideal tool for economical painting - especially for filigree parts. At the same time, the No.2 provides a significant reduction in solvent emissions and significantly reduced user exposure.

### Typical applications:

- » Fence, lattice, railing production
- » Blacksmith
- » Fine arts (jewelery and watch industry)
- » Wire products
- » „One-site“ office furniture renovation
- » Security doors and fittings
- » Amusement park and playground equipment

..... Item-No. 98607745



# We also offer the following:

---

- » **Steel fire coating systems**
- » **Water-based paints**
- » **Our products in your label (paints and aerosols)**
- » **Aerosols in contract filling**

**Just contact us!**





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### Opening hours:

Mo-Do: 07:30 - 16:30 Uhr  
Fr: 07:30 - 16:00 Uhr



**W+S GmbH Lackchemie und Aerosol-Technik**