



Technical Sprays

- Surface and Corrosion Protection
- Cleaning and Degreasing
- Lubrication
- Dissolving and Separating
- Care and Protection



Technical Sprays

Solutions for
Production • Repair • Maintenance • Servicing



WEICON – Our name stands for high-quality products that have been used successfully in all areas of production, repair, maintenance, and servicing for many years.

Products that will certainly solve a number of tasks and problems in your company as well.

Constant further development and adaptation to the latest requirements from practice and environmental concerns also guarantee a quality standard that remains consistently high.

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New

> 2000 hours
salt-spray-test
High Quality



Rust Protection 2000 PLUS silver-grey / charcoal-grey

Rust Protection 2000 PLUS is a particularly corrosion and weather resistant surface coating on the basis of ferric oxide (hematite). Due to the use of highly pure ferric oxide pigments in a flaky arrangement, a permanent, water and weather resistant protection of the surface is achieved.

Rust Protection 2000 PLUS is used wherever metal constructions and installations, which are exposed to extreme ambient and weathering conditions, have to be protected with a long-lasting and optically attractive layer. Temperature resistant from -50°C (-58°F) to $+300^{\circ}\text{C}$ ($+572^{\circ}\text{F}$).

Applications

- Hall and steel constructions
- Iron railings, lattice towers
- Fences, handrails and balcony railings
- Movable gates and outdoor lamps
- Renovation of intact lacquer coatings and all parts with high corrosion risk, e.g. welding seams, threads, edges, screws and nuts.



A higher corrosion protection is achieved by double cross-coating application: >2.000 hours salt spray test = >20 years natural weathering (C5-I corrodibility class ISO 12 944, part 2)



Zinc Spray Zinc Spray "bright grade"

WEICON Zinc Sprays offer quick-drying corrosion protection with a long-term effect for all metals.

WEICON Zinc Spray provides all metal surfaces, such as hot-dip galvanised parts being repaired, with permanent, cathodic corrosive protection. It forms a quick-drying, adhesive, protective layer of microfine zinc flakes.

In a salt spraying test according to DIN 53167 or DIN 50021, metal parts sprayed with WEICON Zinc Spray showed no corrosion, even after more than 550 hours.

The innovative zinc flakes form a highly resistant protective layer, even against extreme weather and environmental influences. In this way, WEICON Zinc Spray fulfils higher requirements than demanded in DIN EN ISO 1461.

The colour of WEICON Zinc Spray "bright grade" has been adapted to that of hot-dip galvanisation.

Applications

- As high-quality rust protection primer
- For touching up welded or drilled sections
- As a conductive intermediate layer in spot welding
- Wherever metal must be protected from corrosion

In addition to the above-mentioned applications, WEICON Zinc Spray "bright grade" is preferred for the repair of damaged zinc coatings in the same colour.



WEICON Zinc Sprays are dust-dry after about 15 minutes and can be spackled and painted over after about 12 hours without pretreatment. The temperature resistance amounts to up to $+500^{\circ}\text{C}$ ($+932^{\circ}\text{F}$) (in the case of "bright grade", up to $+300^{\circ}\text{C}$ / $+572^{\circ}\text{F}$).



Aluminium Spray A-100 Aluminium Spray A-400

WEICON Aluminium Sprays contain aluminium pigments with a purity grade of $\leq 99.5\%$ and offer high-quality corrosion protection for all metallic surfaces.

Type A-100: abrasion-resistant
Type A-400: very high brilliance



Applications

- In refrigeration and ventilation technology
- In combustion plants
- In pipelines and machine housings
- In exhaust systems (only A-100 and only on end pipes)
- On fibre-glass car body parts
- In model construction, applied art, and toy manufacturing

WEICON Aluminium Sprays are resistant against many diluted acids and lye, as well as atmospheric influences. The temperature resistance of the coating amounts to $+800^{\circ}\text{C}$ ($+1,472^{\circ}\text{F}$).*

* See the technical data.



Zinc Alu Spray

WEICON Zinc Alu Spray lastingly protects all metal surfaces against rust and corrosion.

WEICON Zinc Alu Spray forms a quick-drying, adhesive protective layer and is resistant against many chemicals.

Applications

- Preferred for the repair of damaged zinc coatings in a matching colour
- For touching up welded or drilled sections

WEICON Zinc Alu Spray is dust-dry after about 15 minutes and can be spackled and painted over after about 12 hours without pretreatment. It is temperature-resistant up to $+300^{\circ}\text{C}$ ($+572^{\circ}\text{F}$).

Stainless Steel Spray

WEICON Stainless Steel Spray is a corrosion and weather resistant surface coating. Due to the high chemical resistance, it can be used wherever a resistant, effective protective layer is required.

The alloy is composed of chromium, nickel, and manganese.



Applications

- For the repair of damaged stainless steel parts
- On lorry attachments
- On silos and pipelines
- Outdoors (weather-resistant)
- For the optical refinement of glass, wood, stone, ceramics, and most plastics
- For decorative purposes

WEICON Stainless Steel Spray is dust-dry after 10 minutes and attains full adhesion and abrasion strength after 4-6 hours.

It is temporarily temperature-resistant up to $+300^{\circ}\text{C}$ ($+572^{\circ}\text{F}$).

Copper Spray

WEICON Copper Spray is a high-quality, weather-resistant, highly adhesive metal spray for protective and decorative coatings, with an effective nonferrous metal character for indoor and outdoor use.

It is even used for the optical refinement (copper-plating) of various material surfaces or design parts.



Applications

- Sheet metal window sills
- Roof gutters and drainage pipes
- Outdoor lights and mailboxes
- Craftwork and decorating

Brass Spray

WEICON Brass Spray is a purely metallic coating in the typical brass colour. It is suited for the protection and optical refinement of various materials.

Applications

- Restoration work
- Decorative purposes like picture frames
- Applied art, hobbies, and crafts
- Subsequent refining of yellow-chromated parts that have been damaged due to drilling, welding, or milling.



Chrome Silver Spray

WEICON Chrome Silver Spray results in a highly brilliant surface coating.

The high luminosity is achieved due to the special composition and very high purity of the metal pigments.



Applications

- Prototypes and samples
- Reflections (e.g. reflectors)
- Trade fair and exhibition construction
- Effective decorating work
- For the optical refinement of all kinds of materials

Corro-Protection

WEICON Corro-Protection lastingly preserves tools and precision parts made of metal for inside storage and overseas shipping, with a dry, waxy protective film.



Applications

- Safe corrosion protection of plain, unlacquered metal parts through a transparent protective film
 - Inside storage of work pieces
 - Corrosion protection in case of overseas shipping
 - Preservation of tools and precision parts
- As required, the protective film can be removed easily (e.g. with WEICON Cleaner Spray S).

Cleaner Spray S

WEICON Cleaner Spray S degreases and cleans all metals, glass, ceramics, and many plastics.



Applications

- Cleaning and degreasing before priming and painting
- Before the use of other WEICON products, where a greasy substrate would impair the effect, e.g. during adhesion
- Cleaning of machine parts

WEICON Cleaner Spray S evaporates quickly and works without residue. No residual layer remains as is the case when thinners are used. Even gummy lubricants are removed.

Thermoplasts like PVC, plexiglass, polystyrene, and simple paintjobs can be partially dissolved.



Burner Cleaner

WEICON Burner Cleaner is especially suited for the removal of grease, oil, soot, and other soiling of burner parts and evaporates without residue.

Applications

Removal of dirt and residue containing oil and grease

- On blast connections and baffle plates
- On fan wheels
- In housing interiors, ignition electrodes, etc.



Mould Cleaner

New

Special cleaning agent on the basis of highly active organic solvents.

Removes efficiently waxes, silicones, oils, non-cured PUR residues and other impurities from plastic, steel or aluminium moulds.



New



Surface Cleaner

WEICON Surface Cleaner is used for cleaning and degreasing surfaces to be joined or sealed with WEICON adhesives and sealants.

WEICON Surface Cleaner can be applied on materials like metal, glass, ceramic and most plastics*.



Areas of application

- Cleaning and degreasing of surfaces as preparation before bonding with WEICON adhesives
- Cleaning and degreasing of machine parts during service works

Brake Cleaner

WEICON Brake Cleaner is a universal cleaner especially for automotive applications. In comparison with conventional thinners, WEICON Brake Cleaner evaporates without residue. It quickly degreases and cleans metals, glass, and many plastics without a problem.



Applications

Removal of dirt and residue containing oil and grease

- On brakes (drum and disk brakes, brake linings, brake shoes, cylinders, springs, and bushings)
- On clutches (clutch linings and clutch parts)
- On engine parts (carburetors, petrol and oil pumps, gears, and so on)

Plastic Cleaner

Plastic Cleaner is the ideal product for the cleaning and degreasing of sensitive surfaces.*

Due to the use of aggressive cleaners, many plastics, for example, are attacked in such a way that their surface structure is changed. Stress cracks, brittleness, and/or matt surfaces are the result.

A further use of these materials is often not possible for optical or technical reasons.

Due to a special formula, Plastic Cleaner prevents all types of damage. It is thus particularly suited for surface treatment in the adhesion of sensitive plastics, rubbers, or even painted surfaces.

In comparison with conventional thinners, Plastic Cleaner evaporates without residue.



Applications

- Cleaning and degreasing of:
 - Sensitive plastics like thermoplasts (PVC, PMMA = plexiglass, polystyrene, etc.), e.g. window frames, roller blinds, plastic profiles
 - Rubber materials such as seals
 - Lacquered surfaces, such as powder-coated metal parts
- Removal of label and sticker remainders

* Check surface compatibility prior to use



Compressed-Air Spray

WEICON Compressed-Air Spray can be used wherever dust can be removed only with difficulties in the conventional way.

It permits dry, contact-free cleaning, even in inaccessible angles and on sensitive surfaces.



Applications

- On hi-fi and video devices (e.g. modules, PCBs, magnetic heads, disk drives, etc.)
- For optics (e.g. cameras, objectives, lenses)
- On car fuse boxes and windscreen washers
- On clockwork (quartz clocks)
- In medical technology
- In model construction
- In measurement technology
- On electrical components
- On PCBs



TFT/LCD Screen Cleaner

WEICON TFT/LCD Screen Cleaner is the ideal product for the cleaning and care even of sensitive plastic and glass surfaces. WEICON TFT/LCD Screen Cleaner removes dirt, dust, grease and nicotine and cleans carefully without leaving residues. Its antistatic effect provides a dirt and dust-rejecting surface.

Applications

- All kinds of thin film transistor and liquid crystal displays (e.g. computers, notebooks, television sets, mobile phones, copiers, scanners, touch screens)
- Plastic casings of computers, scanners, copiers or television sets



Multi-Foam

WEICON Multi-Foam is a universally applicable, powerful foam cleaner.

Applications

- Cleans all glass, metal, and plastic parts without leaving residue
- Thoroughly eliminates insects, smears, and protective films
- Gently removes stains from rugs and upholstery
- Cleans and cares for all plastic and lacquered surfaces on boats, motorcycle casings, bicycles
- Dissolves dirty layers from fittings and tiles

WEICON Multi-Foam is environmentally sound, biodegradable, free of phosphate, formaldehyde, and corrosive and caustic additives.



Sealant and Adhesive Remover

WEICON Sealant and Adhesive Remover dissolves and quickly eliminates sealant and hardened adhesive residues, as well as lacquers and paints, without a problem, even on vertical surfaces.



Applications

- Dissolves all types of sealant residues from cylinder heads, oil pans, water pumps, exhaust manifolds, valve covers, and gear flanges
- Reliably removes carbon residues, paints, and lacquers
- Eliminates oils, resins, greases, and tar
- Used as paint remover in wood restoration
- Removes all kinds of adhesive, even hardened cyanoacrylate and anaerobically hardened adhesives

WEICON Sealant and Adhesive Remover can be used on metal, wood, glass, ceramics, polyethylene, and polypropylene.

It should not be used with sensitive plastics like PVC, synthetics, linoleum, and so on.



AT-44 Allroundspray with PTFE

WEICON AT-44 Allround Spray with PTFE is used in all industrial and workshop areas. Due to its special formula and to its very low coefficient of friction resulting from the high percentage of PTFE, corrosion protection, cleaning, water resistance, lubrication, and conservation are combined in one product.



Applications

- Loosens seized screw connections, bolts, fittings, and valves
- Disperses moisture from electrical lines
- Prevents leakage current and simplifies the starting of wet motors
- Eliminates the squeaking and creaking of hinges, guides, bearings, and all kinds of joints and couplings
- Cleans dirty surfaces and leaves behind an extremely thin film that does not smear, stick, or attract dust
- Protects and cares for all tools, machines, electrical and mechanical precision instruments (measurement tools, locks, and weapons) and keeps them functional



WEICON AT-44 is silicone-free and resists all atmospheric influences. For this reason, it is used almost unlimitedly in the areas of workshops, automobiles, navigation, electrical systems, agriculture, household, and hobbies.

W 44 T[®] Turbo-Power-Spray

WEICON W 44 T covers a wide range of industrial and maintenance applications.

Due to its special formula and excellent creep properties, corrosion protection, water resistance, lubrication, preservation, and cleaning are combined in one product.

W 44 T offers good protection against atmospheric influences. For this reason, it is used almost unlimitedly in the areas of workshops, automobiles, shipping, electrical systems, agriculture, household, and hobbies.



Applications

- Loosens seized screw connections, bolts, fittings, and valves, penetrates and dissolves rust, dispels moisture from electrical contacts, prevents leakage current and simplifies the starting of wet motors
- Eliminates the squeaking and creaking of hinges, guides, bearings, and all kinds of joints and couplings
- Cleans dirty metal surfaces and leaves behind a lasting, extremely thin film that does not smear, stick, or attract dust
- Protects and cares for all tools, machines, electrical and mechanical precision instruments (like measurement tools, locks, and weapons) and keeps them functional



Silicone Spray

WEICON Silicone Spray is an ideal lubricant and separating agent for rational production and servicing. At the same time, it assumes the function of a preservative and care product for plastic, rubber, and metal.



Applications

- Prevents the development of adhesive residue in presses and guides
- Prevents the adhesion of goods on conveyor belts, channels, and slideways
- Protects electrical contacts from moisture
- Cares for rubber, plastic, and metal parts
- Protects rubber parts from brittleness, freezing, and adhesion
- Lets sunshine roofs, seat rails, and the rollers of seatbelt run smoothly

WEICON Silicone Spray provides for a durable separating film and good surface properties.



Bio-Cut

Due to its particularly high lubricating effect, WEICON Bio-Cut permits higher speeds and longer service lives, resulting in a higher cutting performance of the tools.



Applications

- Drilling and turning
- Milling and reaming
- Sawing and punching
- Thread cutting of all types of steel, castings, stainless steel, copper, brass, aluminium, and their alloys

WEICON Bio-Cut is mineral oil free - water pollutant class 1, self-classification according to VwVwS (Verwaltungsvorschrift wassergefährdende Stoffe = German Administrative Regulation Regarding Water Pollutants) and completely biodegradable.



Bio-Fluid



Bio-Fluid is a high-purity medical-grade white oil, free of resins and acids. It was developed especially for lubrication and care in the food, beverage, pharmaceutical, and cosmetic industries.



The water-white, solvent-free product has no smell or taste. It also has a high creeping capability and it is water-resistant. It reduces friction and wear, suppresses squeaking noise, protects against corrosion, and dissolves dirt and rust.

Temperature range: -25°C (-13°F) to +120°C (+248°F).

Applications

- Lubrication, protection, and care of precision mechanism in food technology
- As a spray oil for production and filling plants in the pharmaceutical and cosmetic industry
- As a lubricant for filling and packaging plants in the entire beverage industry, for example for the smooth running of wine bottle corking machines and the gripper mechanisms of labelling machines
- Can be used wherever occasional, technically unavoidable contact with food or its packaging arises

Bio-Fluid does not attack the following plastics and elastomers: ACM, CSM, FKM, NBR, SQM/MVQ, ABS, CA, EPS, PA, PC, PE, PET, POM, PP, PPO, PTFE, and PVC. Not resistant to Bio-Fluid are: EPDM, NR, and SBR.

The resistance of all plastics and elastomers not listed here must be determined by individual tests.

Bio-Fluid corresponds to:

- The definition of "Paraffinum Subliquidum" (subliquid paraffin) in the "Deutsches Arzneibuch" (DAB 10) (German Pharmacopoeia)
- The NSF classification H 1 for direct contact with food

¹ NSF = Nonfood Compounds Registration Program

PTFE-Spray

WEICON PTFE-Spray is a grease-free dry lubricant with an anti-adhesive effect on the basis of polytetrafluoroethylene.



WEICON PTFE-Spray adheres to all metal, plastic and wood surfaces. Due to the high PTFE percentage, the coefficient of friction is considerably reduced. The coating is resistant to dirt, dust, water, oils, greases, and many chemicals. Temperature resistant from -180°C (-292°F) to $+250^{\circ}\text{C}$ ($+482^{\circ}\text{F}$)

Applications

- On slide rails and guides
- On conveyor belts, transport rollers, and transport chutes
- On windows: Tipping mechanisms, locks, hinges
- On cutting tools and packaging machines
- As continuous lubrication for shafts in plastic bearings
- As a water-resistant coating of paper and cork seals, as well as seal packaging
- Used instead of separating agents containing silicone and wherever oil or grease lubrication is not permitted or desired.



Chain and Rope Lube Spray

WEICON Chain and Rope Lube Spray is a synthetic, transparent adhesive lubricant for the permanent inside and outside lubrication of all kinds of highly stressed chains and wire cables.



WEICON Chain and Rope Lube Spray is temperature-resistant from -40°C (-40°F) to $+200^{\circ}\text{C}$ ($+392^{\circ}\text{F}$), strongly adherent and pressure-resistant, sound absorbent, water-resistant and has excellent creep properties. Prevents elongation, friction, and wear.

Applications

- All kinds of chains and wire cables
- Gearwheels and worm gear pairs
- Fast-moving machine parts
- Joints and couplings
- Rollers and ball bearings
- Spring assemblies

WEICON Chain and Rope Lube Spray can also be used during operation under observation of the respective safety regulations.

The following plastics and elastomers (such as O-rings in chains) are not attacked: PTFE, PE, PA, fluorine, butadiene and silicone rubber, polychloroprene. Of limited resistance are: PE-LD, POM, PP, and NBR.



Adhering Grease - extra strong -

Special lubricant and corrosion protection, even for underwater applications. Effective protection against aggressive liquids (such as seawater, waste water) in maritime and wet applications.

Suitable for

- Roller and slide bearings, even in mixed friction operation
- Joints, levers, slideways, spindles, and splined shafts
- Open gearing (such as gear rims)
- Worm gear pairs, chains, and wire cables at all slide speeds permissible for grease lubrication.

Applications

- Shipboard cranes and lifting jacks, offshore parts
- Conductor rails and distributors
- Container and trailer equipment
- Wharf supplier parts



Universal Spray-on Grease with MoS₂

Strongly adherent and high-pressure resistant long-term grease with MoS₂. Friction and wear are lastingly reduced.

Suitable for

- Roller and slide bearings, joints, levers, and slideways
- Spindles, camshafts and splined shafts, springs
- Open gearing (such as gear rims), worm gear pairs at all slide speeds permissible for grease lubrication.

Applications

- Roller and slide bearings in industrial and construction applications
- Articulated blocks of articulated shafts and universal joints
- Bearings and joints of rolling mills, tool, agricultural, and construction machines, rail and street vehicles, and many others

Temperature range: -20°C (-4°F) to +120°C (+248°F).

Spray-on Grease H1



WEICON Spray-on Grease H1 is an odourless and tasteless grease that has been formulated especially to meet the requirements of the food, cosmetic and pharmaceutical industry.

It is in particular suitable for maintenance and service works in:

- The brewery and beverage industry
- Large abattoirs, canning plants
- Coffee-roasting shops, large-scale catering kitchens
- Swimming pools, hotels
- Hospitals

and wherever a direct contact to food can not be excluded.



Applications:

- Filling and packing machines
- Conveyors and sorting plants
- Transport and storage systems

The application is possible at all sliding speeds permitted for grease lubrication.

Temperature range: -40°C (-40°F) to +160°C (+320°F)

Complies with: NSF H1 LMBG § 31 and § 21



Spray-on Grease white

WEICON Spray-on Grease white is a multipurpose spray grease for highly stressed parts. Due to additives that reduce wear and protect against corrosion, a temperature stability of -20°C (-4°F) to $+150^{\circ}\text{C}$ ($+302^{\circ}\text{F}$) is achieved in conjunction with a long service life.

Applications

- For the long-term lubrication of rods and gearwheels
- Roller and ball bearings
- Hinges and guides
- All kinds of joints and couplings

Long-term lubrication is achieved even in tight spaces. WEICON Spray-on Grease white is strongly adherent and used in almost all areas of industry, shipping, agriculture, and automotive and workshop applications. In comparison with transparent products, a visual control is possible at any time.



Top-Lub

WEICON Top-Lub is a synthetic, transparent, adhesive lubricant for the permanent lubrication of all kinds of highly stressed mechanical parts.



Applications

- Load-transferring bolts
- Gearwheels and worm gear pairs
- Fast-moving machine parts
- Joints and couplings
- Rollers and ball bearings
- Spring assemblies

WEICON Top-Lub can also be used during operation under observation of the respective safety regulations.

WEICON Top-Lub is temperature resistant from -40°C (-40°F) to $+200^{\circ}\text{C}$ ($+392^{\circ}\text{F}$), particularly adherent and pressure-resistant, water-repellant and has excellent creeping properties. Prevents friction and wear.

The following plastics and elastomers are not attacked: PTFE, PE, PA, fluorine, butadiene and silicone rubber, polychloroprene.

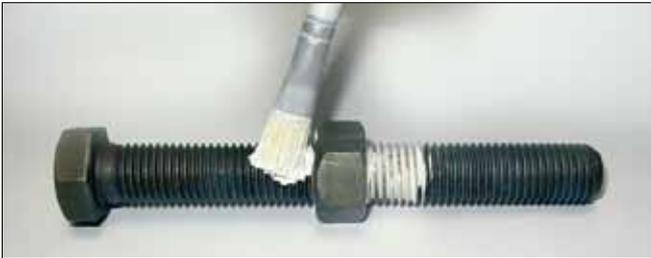
Of limited resistance are: PE-LD, POM, PP, and NBR.



Anti-Seize

High-Performance Assembly Sprays

WEICON Anti-Seize is already used in the assembly of all screw connections to simplify disassembly considerably. WEICON Anti-Seize thus offers safe protection against corrosion, seizing, and wear.



Due to the special formulation and the very fine grinding of the solids contained in WEICON Anti-Seize, irregularities in the surface to be protected - even to a layer thickness of only 12 µm - are completely filled. Only a perfectly sealed surface guarantees a reliable protection against corrosion. An additional sealing effect thus results for special applications, such as flange connections.

WEICON Anti-Seize provides protection against:

- Corrosion, seizing, and wear
- Stick-slip phenomena
- Oxidation and fretting corrosion
- Electrolytic reactions ("cold welding")

WEICON Anti-Seize is free of sulphurous additives and halogens, well-adherent and abrasion-proof, and resistant against hot, cold, and salt water. The extremely low coefficient of friction also permits easy disassembly of machines and installations.

In addition, WEICON Anti-Seize Assembly Sprays are excellent lubricants for statically high-stressed parts and for slowly rotating installations, as long as corresponding relubrication intervals are observed.

Temperature resistant from -180°C (-292°F) to +1,400°C (+2,552°F). For detailed information, please order our special WEICON Anti-Seize catalogue.

Anti-Seize

Assembly Spray ASA 100 / ASA 400

WEICON Anti-Seize Standard Grade consists of selected, finely ground, metallic solid lubricants and a high-quality synthetic oil mixture.

This combination has been proven worldwide for many decades in a number of applications with materials made of steel, iron, or cast iron in all industrial areas.

Properties

- Temperature range: -180°C (-292°F) to +1,200°C (+2,192°F)
- Colour: charcoal-grey
- Basic oil: synthetic oil mixture
- Solid lubricants: various metallic powders
- NLGI class: 1
- Corresponds to MIL 907 D



Anti-Seize "High-Tech"

Assembly Spray ASW 400

WEICON Anti-Seize "High-Tech" is metal-free* and can be used with any material. In case of certain metal combinations, it also offers optimum protection against electrolytic reactions (cold welding).

WEICON Anti-Seize "High-Tech" is particularly suited if:

- Metalliferous pastes could cause electrolytic reactions
- Nickeliferous products should not or may not be used for health reasons
- Dark, metalliferous products should not or may not be used for optical reasons.

Properties

- Temperature range: -40°C (-40°F) to +1,400°C (+2,552°F)
- Colour: white
- Basic oil: medicinal white oil
- Solid lubricants: minerals
- NLGI class: 0-1
- Corresponds to: MIL 907 D

*below 0,1%

Rust Loosener and Contact Spray

Rust Loosener and Contact Spray is indispensable for repair, servicing, and maintenance due to its six-fold effect. Temperature resistant from -20°C (-4°F) to $+150^{\circ}\text{C}$ ($+302^{\circ}\text{F}$).



Applications

- Loosens rusted and sluggish parts, screw connections, bolts, joints, and hinges
- Disperses water from ignition systems
- Secures the function of mechanical parts and contacts, for example on distributor caps and spark plugs
- Protects permanently against corrosion and oxidation
- Lasting lubrication of sliding surfaces
- Cares for and cleans metal surfaces, metal parts and electrical plants

Due to the very good creeping properties, WEICON Rust Loosener and Contact Spray penetrates very small spaces. With the three-way spray valve, work is possible in any position (even overhead).



Rust-Shock

WEICON Rust-Shock, the "chemical screwdriver," loosens all kinds of rusted screw connections: It works within seconds due to its two-fold function:

- The special composition of the materials generates a "chill effect" on the corroded workpiece. WEICON Rust-Shock deeply penetrates into these small spaces created by this cold shrieking process due to its high capillary effect.
- There, it loosens the rust crystals in seconds and thus neutralises the connection between the rust layers.



Applications

- Car servicing and repair
- Construction and agricultural machines
- Navigation
- Oil industry
- Power plants and chemical industry
- Heavy industry and mining

WEICON Rust-Shock is free of mineral oil, silicone, and grease and thus works completely without residue and leaves no traces. Treated spots can already be painted over after a few minutes.



Welding Protection Spray

WEICON Welding Protection Spray* (silicone-free) is used to clean welding nozzles and to keep them clean. At the same time, it protects the work piece to be welded against the effect of weld splashes without impairing the welding seam.



Applications

- Prevents the adhesion of welding splashes on gas jets and work piece surfaces
- Offers full-surface protection during the welding procedure
- Postwork cleaning of the work pieces with spatula, brush, or chisel is not necessary
- Posttreatment of work pieces like: Bronzing, galvanising, anodising, or painting is possible without special cleaning. Excess residues of the sprayed-on product should be removed with e.g. WEICON Cleaner Spray S.

* Tested by the Schweiß-Fach-Lehranstalt (Welding Institute) in Hannover.

Alu Grinding Protection

Can be used for all abrasive materials on foundations such as fibre wheels, sheeting, endless grinding bands, abrasive sleeves, orbital sanders, and special machines.

WEICON Alu Grinding Protection works like a cooling lubricant and separating agent during the grinding process. It lowers the temperature at the contact point and forms a silicone-free anti-adhesive layer on the abrasive material.



Applications

Effective with all abrasive materials on substrates like:

- Serrated grinding wheels and flap wheels
- Fibre wheels, sheeting, and endless grinding bands
- Abrasive sleeves, orbital sanders, and special machines

Through the use of WEICON Alu Grinding Protection, clogging is prevented and the pores of the abrasive material remain open.

The service life of a grinding wheel amounts to only about 30 minutes in normal operation when processing aluminium. With WEICON Alu Grinding Protection, the service life is extended considerably and the removal capacity can be increased to up to 350%.

Mould Release Agent

WEICON Mould Release Agent is a silicone-free lubricant and release agent. The high-quality material combination with a high lubricating effect consisting of pure, natural products prevents adhesion to plastics, moulds, metals, and tools. Temperature resistant from -20°C (-4°F) to $+130^{\circ}\text{C}$ ($+266^{\circ}\text{F}$).

Applications

In plastics processing including

- Injection moulding
- Compression and vacuum moulding

WEICON Mould Release Agent is free of PCB, CFCs, and formaldehyde.



Label Remover with Special Spatula

For fast and easy removal of paper labels and adhesive residues.

Stickers and labels can often only be removed with great difficulty. The dissolving power of conventional cleaning agents is often not sufficient, while mechanical removal may damage the surface, for example by scratching.

WEICON Label Remover removes labels and residues of acrylate- and caoutchouc based pressure-sensitive adhesives safely and without problems.

WEICON Label Remover is suited for many surfaces, such as glass, metal, wood, foils and plastics*.



Applications

- Easy and safe removal of adhesive labels
- Removes price tags (e.g. after wrong price labelling)
- Removes address and product stickers, e.g. from drums and canisters
- Removes marking labels, e.g. from shelves, containers, drawers, and machines
- Removes label residues, e.g. on the conveyor belts of supermarket check-outs
- Removes adhesive residues from foil labels, like stickers on car windows

* Before use, check surface compatibility.



Chewing Gum Remover with Special Spatula

WEICON Chewing Gum Remover removes even old chewing gum or modelling clay residues.

Gum or modelling clay residues sprayed-on with WEICON Chewing Gum Remover will be frozen and can be detached immediately and without damaging textiles or floor coatings.



Applications

Chewing gum or modelling clay residues at:

- upholstered furniture
- bus seats
- school seats and tables
- textile floor coatings of all kinds
- elastic and rigid floor coatings made of wood, stone, PVC, linoleum etc.



Stainless Steel Care Spray

WEICON Stainless Steel Care Spray was especially developed for the cleaning, care, and protection of matt and polished stainless steel surfaces indoors and outdoors. This spray has an antistatic effect.

Applications

- Removes and prevents fingerprints
- Removes grease films from exhaust hoods
- Cleans even large surfaces without streaks
- Leaves behind a lasting water repellent protective film
- Prevents dirt from sticking to surfaces again



Metal-Fluid



New, highly effective product for care, protection, and cleaning of matt and polished metal surfaces such as stainless steel, aluminium, chromium, and non-ferrous metals, etc., indoors.

Properties

- Preventive protection of new metal parts
- Leaves behind a hand-dry, glossy protective film
- Free of silicone, oil, and solvent, odourless
- Antistatic effect.

WEICON Metal-Fluid is NSF-registered. Neither etched or printed markings nor plastic surfaces or rubber seals, e.g. on kitchen equipment, are affected or attacked.



Cockpit Spray

WEICON Cockpit Spray is a water-repellent cleaning agent for all plastic and rubber parts.

The lasting, invisible protective film prevents soiling and creates an easy-care, dust resistant, silky shine.



Applications

- Eliminates squeaking and creaking noises
- Cares for dashboards, inside cladding, all plastic and rubber parts, leather, wood, and chromium, as well as car roofs covered with synthetic leather
- Prevents the freezing of door, window, and boot seals
- Used as a lubricant for safety belts, seat guides, skylights, window guides, locks, and wherever grease causes soiling.

WEICON Cockpit Spray refreshes dull and weathered plastic. Rubber does not crack, but remains supple and elastic.



Leak Detection Spray



For the fast, comfortable, and reliable location of leaks (cracks or porous spots) in pressurized pipes or tanks. WEICON Leak Detection Spray is non-flammable, anti-corrosive, kind to the skin, and DIN-DVGW-tested (testing certificate NG 5170AO0666).



Applications

- Wherever compressed air, natural gas, or liquid gas is processed or piped
- Wherever leaks appear on fittings, threaded joints and connections
- For increased safety on pneumatic brakes and gas lines

WEICON Leak Detection Spray does not form any hazardous compounds in contact with carbon dioxide (CO₂), propane, butane, acetylene, oxygen, city gas, or natural gas.

Hand Protective Foam with Liposomes



WEICON Hand Protective Foam forms a greaseless, invisible, and water-resistant protective film that does not let various kinds of soiling penetrate the skin and pores.



Freeze Spray

WEICON Freeze Spray has many uses, e.g. fault-finding in electronics as well as repair and maintenance in industrial sectors.



Applications

Assembly pieces made of metal such as ball bearings, bushes, chain links, shafts etc. can be fitted in closest fits with Freeze Spray. Thermal overloading faults in electrical circuits are found easily through local freezing. Useful also for maintenance works in the field of production and repair as well as in motor mechanics (e.g. cooling of engine components).

WEICON Freeze Spray quickly cools parts down to -45°C (-49°F) and allows pin-pointed chilling of even the smallest parts.

WEICON Freeze Spray is non-conductive and is suitable for any material (except plastics).



This "invisible glove" protects against hazardous substances and irritants from aggressive chemical substances. Through the addition of liposomes, the care effect is considerably improved.

Adhesive Sprays

WEICON Adhesive Sprays are the clean, quick and easy-to-use adhesives in the spray can. They are particularly suitable for large-surface bonding of light materials to themselves and among each other in craft, model-making, do-it-yourself, hobbies and household uses.



Adhesive Spray - for detachable joints -

New

Especially suitable for detachable and adjustable joints. Colourless. Neither strikes through nor leaves a wavy surface when working with thin materials.

Applications

- Fixing of, e. g., templates, promotion boards, posters, photographs, decoration in trade fair construction, layouts and technical drawings (therefore perfect for graphic works)
- Paper, carton and foils can be bonded to themselves and among each other

Detachable joints: When applied on one surface

Permanent joints: When applied on both surfaces



Adhesive Spray - strong -

Universal in use. For bonding light materials to themselves and among each other.

Applications:

- Bonding of paper, cardboard and paperboard, wood and thin veneers, cork, leather, textiles, felt
 - Flexible foam plastics, e.g. moltoprene
 - Rubber and expanded rubber
 - Plastic foils (except PVC and polyethylene)
- Especially suitable for rigid expanded plastics*, e. g. polystyrene

* For some expanded plastics, the compatibility must be checked prior to use.



Adhesive Spray - extra strong -

New

Special type for permanent and strong bonding of rough and uneven surfaces. A special valve allows small, medium or large adhesive quantities to be sprayed.

Applications:

For bonding even big surfaces of

- Felt, PVC foil, imitation leather, carpets
- Plastics and paper
- Foam and sponge rubber
- Insulating material, flexible foam plastics
- Vinyl, leather, rubber, metal and wood



Technical Data

	Rust Protection 2000 PLUS charcoal-grey	Rust Protection 2000 PLUS silver-grey	Zinc Spray	Zinc Spray bright grade
Colour*1:	charcoal-grey / DB 703	silver-grey / DB 701	RAL 9006, " Slightly weathered hot-dip galvanisation"	RAL 9006, "Fresh hot-dip galvanisation"
Application:	Indoors and outdoors			
Binding agent:	Alkyd resin		Styrenated alkyd resin	Modified Alkyd resin
Pigment:	Lamellar hematite		Flaky zinc and aluminium pigments	Flaky zinc and aluminium pigments
Pigment purity:	> 90% ferric oxide		approx. 99,9 Zn / approx. 99,9% Al	approx. 99,9 Zn / approx. 99,5% Al
Percentage of metal in dry film:	approx. 58%		approx. 70%	approx. 70%
Can contents:	400 ml			
Specific weight g/cm ³ :	1,3 - 1,4		1,1 - 1,3	1,0 - 1,2
Recommended primer:	not necessary		not necessary	Zinc Spray
Processing temperature*2:	from +5°C (+41°F) to +35°C (+95°F) – optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)			
Consumption at 1.5 cross coat*3:	approx. 160 ml/m ²		approx. 150 ml/m ²	
Layer thickness at 1.5 cross coat*3:	approx. 60-80 µm		approx. 30-50 µm	approx. 20-40 µm
Drying time*3:	Dust-dry	approx. 30 minutes	approx. 15 minutes	
	Hardened	approx. 24 hours	approx. 12 hours	
	Painted over	approx. 24 hours		
Abrasion-resistant:	abrasion-resistant		abrasion-resistant	abrasion-resistant
Cross cutting DIN 53151 / ISO 2409:	Cross cut characteristic value GT 0 to GT 1		Cross cut characteristic value GT 0	Cross cut characteristic value GT 0 to GT 1
Salt spraying test DIN 50021 / DIN 53167:	>2.000 hours*4		>550 hours	>240 hours
Mandrel bend test DIN EN ISO 1519:	no hair cracking			
Top coating:	not required			
Temperature resistance after complete hardening:	approx. from -50°C (-58°F) up to +300°C (+572°F)		approx. from -50°C (-58°F) up to +500°C (+932°F)	approx. from -50°C (-58°F) up to +300°C (+572°F)
Storage stability*5:	24 months			

*1 Corresponds approximately to the specified RAL colours.

*2 When processing at temperatures below +10°C (+50°F), heat spray cans to room temperature (+20°C / +68°F).

*3 Temperature of spray can and the surface of +20°C (+68°F) and 50% relative humidity.

Zinc Alu Spray	Aluminium Spray A-100	Aluminium Spray A-400	Stainless Steel Spray	Chrome Silver Spray	Copper Spray	Brass Spray
RAL 9006, "Fresh hot-dip galvanisation"	aluminium-metallic, matt	aluminium, sheeny	RAL 9007, stainless steel metallic, matt	aluminium, glossy	copper-metallic, matt	brass-metallic, matt
indoors and outdoors	indoors and outdoors	indoors and outdoors	indoors and outdoors	inside	indoors and outdoors	indoors and outdoors
Acrylic resin	Acrylic resin	Hydrocarbon resin	Acrylic resin	Natural resin	Acrylic resin	Acrylic resin
Zinc- and aluminium pigments	Aluminium pigments	Flaky aluminium pigments	Stainless steel pigments	Flaky aluminium pigments	Copper pigments	Brass pigments
approx. 99,5% Al / approx. 94,0 Zn	approx. 99,5% Al	approx. 99,5% Al	Stainless steel alloy approx. 98,5%	approx. 99,5% Al	approx. 99,9% Cu	approx. 99,9% Ms
approx. 51%	approx. 43%	approx. 23%	approx. 45%	approx. 15%	approx. 50%	approx. 52%
400 ml						
0,90 - 1,0	0,9 - 1,0	0,8 - 0,9	0,9 - 1,0	0,8 - 0,9	0,9 - 1,0	0,9 - 1,0
Zinc Spray	Zinc Spray	Zinc Spray	Zinc Spray	Zinc Spray	Zinc Spray	Zinc Spray
from +5°C (+41°F) to +35°C (+95°F) – optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)						
approx. 150 ml/m ²	approx. 120 ml/m ²	approx. 120 ml/m ²	approx. 120 ml/m ²	approx. 150 ml/m ²	approx. 120 ml/m ²	approx. 120 ml/m ²
approx. 20-40 µm	approx. 25-35 µm	approx. 10-15 µm	approx. 20-30 µm	approx. 10-20 µm	approx. 20-30 µm	approx. 20-30 µm
approx. 15 minutes	ca. 10 minutes					
approx. 12 hours	ca. 4-6 hours					
approx. 12 hours	approx. 4-6 hours	Cannot be painted over	approx. 4-6 hours	Cannot be painted over	approx. 4-6 hours	approx. 4-6 hours
abrasion-resistant	abrasion-resistant	not abrasion-resistant	abrasion-resistant	not abrasion-resistant	abrasion-resistant	abrasion-resistant
Cross cut characteristic value GT 0 to GT 1						
---	---	---	---	---	---	---
no hair cracking						
not required	not required	Cannot be painted over	not required	Cannot be painted over	not required	not required
approx. from -50°C (-58°F) up to +300°C (+572°F)	approx. from -50°C (-58°F) up to +800°C (+1,472°F) ^{*6}	approx. from -50°C (-58°F) up to +800°C (+1,472°F)	approx. from -50°C (-58°F) up to +300°C (+572°F)	approx. from -50°C (-58°F) up to +400°C (+752°F)	approx. from -50°C (-58°F) up to +300°C (+572°F)	approx. from -50°C (-58°F) up to +300°C (+572°F)
24 months						

*4 By double cross-coating application

*5 At a constant room temperature of +20°C (+68°F) and dry storage. The same applies for closed original barrels that are not subjected to direct or indirect sunlight.

*6 Not abrasion-resistant between +350°C (+662°F) and +550°C (+1,022°F).

Product	Colour	Odour	Temp. resistance	Content	Shelf life (months)	Special features
Adhering Grease -extra strong-	beige	almost odourless	-25°C to +80°C	400 ml	24	Adhering even under water
Adhesive Spray - for detachable joints -	colourless	solvent	-20°C to +65°C	500 ml	12	Does not strike through nor leaves wavy surfaces
Adhesive Spray - strong -	beige	solvent	-20°C to +65°C	500 ml	12	Large surface bonding of light materials
Adhesive Spray - extra strong -	yeallowish	solvent	-20°C to +80°C	500 ml	12	Bonding of big surfaces, even with absorbing materials
Alu Grinding Protection	colourless	solvent	-20°C to +130°C	400 ml	24	Silicone-free
AT-44 Allround Spray	yeallowish	vanilla	+50°C to 210°C	150 ml 400 ml	24	High-performance lubricating oil with PTFE
Bio-Cut	colourless	almost odourless	up to +200°C	400 ml	12	Completely biodegradable
Bio-Fluid	colourless	almost odourless	-25°C to 120°C	500 ml	24	Corresponds to purity grade of DAB10, USDA H1, FDA Regulations, FDA positive list
Brake Cleaner	colourless	citrus	---	500 ml	24	Evaporates without residues
Burner Cleaner	colourless	citrus	---	500 ml	24	Evaporates without residues
Chain and Rope Lube Spray	colourless	mineral oil	-40°C to +200°C	400 ml	24	Particularly adhesive, pressure-resistant, extremely creeping-capable, sound-absorbent
Chewing Gum Remover	---	almost odourless	---	400 ml	24	Removes even old chweing gum or modelling clay residues
Cleaner Spray S	colourless	orange	---	500 ml	24	Evaporates without residues
Cockpit Spray	colourless	citrus	---	400 ml	24	Discreet satin finish
Compressed-Air Spray	---	almost odourless	---	400 ml	24	Clean in a contact-free manner
Corro-Protection	colourless	solvent	-20°C to +50°C	400 ml	24	On a wax basis
Freeze Spray	---	almost odourless	---	400 ml	24	Targeted cooling of even the smallest components down to -45°C
Hand Protective Foam	white	odourless	---	200 ml	24	With liposomes
Label Remover	colourless	citrus	---	500 ml	24	Removes paper and foil labels with special spatula
Leak Detection Spray	milky	almost odourless	0°C to +50°C	400 ml	24	DVGW-tested for oxygen and suited for CO ₂
Metal-Fluid	milky	almost odourless	---	400 ml	24	Antistatic effect
Mould Cleaner	colourless	citrus	---	500 ml	24	Removes waxes, oils, silicones and other impurities from moulds and tools
Mould Release Agent	colourless	solvent	-20°C to +130°C	400 ml	24	Silicone-free
Multi-Foam	white	citrus	---	400 ml	24	Biodegradable
Plastic Cleaner	colourless	citrus	---	500 ml	24	For sensitive plastic surfaces
PTFE-Spray	milky	solvent	-180°C to +250°C	400 ml	24	Dry lubricant on a PTFE basis
Rust Loosener and Contact Spray	beige	petroleum	-20°C to +150°C	400 ml	24	6-fold function
Rust-Shock	blue	solvent	---	400 ml	12	Removes rusted-tight screw connections of any type in seconds
Sealant and Adhesive Remover	milky	solvent	---	400 ml	12	Powerful
Silicone Spray	colourless	solvent	-50°C to +250°C	400 ml	24	Silicone oil basis
Spray-on Grease H1	yellowish - white	almost odourless	-40°C bis +160°C	400 ml	24	Odour- and tasteless high-temperature grease
Spray-on Grease white	white	solvent	-20°C to +150°C	400 ml	24	Very good adhesive and lubricating properties
Stainless Steel Care Spray	colourless	almost odourless	---	400 ml	24	antistatic effect
Surface Cleaner	colourless	solvent	---	400 ml	24	Before the application of WEICON adhesives and sealants
TFT/LCD Screen Cleaner	white	almost odourless	---	200 ml	24	Also suitable for sensitive plastic and glass surfaces
Top-Lub	colourless	mineral oil	-40°C to +210°C	400 ml	24	Particularly adhesive, pressure-resistant, and water-repellent. With excellent creep properties
Universal Spray on Grease with MoS ₂	black	almost odourless	-20°C to +120°C	400 ml	24	High-pressure resistant, long-term grease
W 44 T	yellowish	vanilla	-50°C to +210°C	400 ml	24	Multifunctional oil with multiple effect
Welding Protection Spray	colourless	solvent	---	400 ml	24	SLV-tested, silicone-free

Supplementary Programme



Technical Liquids

Environmental protection, economic efficiency, and occupational and factory safety - these are the requirements that every company must increasingly fulfil. Products and processing systems that correspond to these requirements are thus becoming more and more important.

WEICON Technical Liquids meet these requirements to a high degree:

- They contain no flammable propellants.
- No complicated, cost-intensive disposal necessary
- Reduction of emissions
- Less packaging waste
- Only the pure substance is processed.

For detailed information, please order our special WEICON Technical Liquids catalogue.

WSD 400 Pressurized-Air Spray Can

WSD 400 is a refillable spray can that can be used to process most WEICON Technical Liquids.

It is filled with compressed air using an adapter (accessory) via the compressed-air mains (optimum operating pressure of 5-10 bar). The use of WSD 400 offers many advantages, such as:

- Environmentally friendly due to the lack of packaging waste
- Cost-saving due to use of large barrels
- Only the pure substance is sprayed.
- Safe due to the nonflammable propellant compressed air
- Simple handling, quickly refillable

The accessory programme for WSD 400 includes:

- An adapter for filling at any company compressed air mains
- A spray set with four different spray-valves and a ball valve with dip tube



WPS 1500 Pump Dispenser

WPS 1500 is a refillable pump dispenser by means of which many WEICON Technical Liquids can be processed. The buildup of pressure in the liquid container is achieved through pumping it up with pure air using a piston rod. An integrated safety valve opens automatically as soon as the permissible operating pressure (max. 4 bar) has been exceeded.

Pressing the spray button suffices for an even, constant discharge of the substance. By turning the nozzle nut, the spray rate and pattern can be regulated in an infinitely variable manner as a spray or fine mist. The use of WPS 1500 offers many advantages, such as:

- Environmentally friendly due to the lack of packaging waste
- Cost-saving due to use of large barrels
- Only the pure substance is sprayed.
- Safe due to the nonflammable propellant compressed air
- Simple handling, quickly refillable



The accessory programme for WPS 1500 includes:

- Plastic prolongation 30 cm with nozzle 0.8 mm Ø
- Seal sets

Technical Sprays

- Surface and Corrosion Protection
- Cleaning and Degreasing
- Lubrication
- Dissolving and Separating
- Care and Protection

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