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WEICON

APPLICATIONS AND PRODUCTS IV



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ALWAYS THE RIGHT PRODUCT

Whatever you are manufacturing, cleaning or repairing, we always have the right solution for our customers' applications. Our products are used, for example, in the production of fire extinguishers, for the coating of screw conveyors, the sealing of ventilation systems, the grouting of foundations in heavy industry or the manufacturing of garden lighting systems. Our all-round range of specialised chemical products is suitable for almost all areas of industry. This includes automotive manufacturing, cement works, agricultural engineering and the brewing industry – our products are used everywhere. On the following 50 pages, you can discover interesting examples of the many different uses of our products – all over the world!

Wear protection for hydraulic spreaders









Description:

- wear protection for hydraulic spreaders used for the demoulding of cast metal components at an automotive supplier
- the lubricant WEICON Anti-Seize Assembly Spray is applied to the spreader, which loosens iron castings from moulds
- depending on the size, the Assembly Spray is used again after 10-20 moulds



Anti-Seize Assembly Spray

▸ 100 ml	▸ 400 ml
10000216	10000219

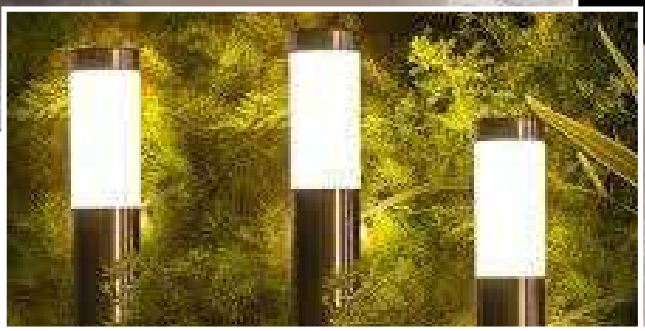
Advantages of our solution:

- **long-lasting lubricating effect despite high temperatures (no clumping as with conventional greases)**
- **high wear protection for components exposed to high abrasion**
- **simple application**

Manufacturing of garden lighting systems







Description:

- clean with WEICON Surface Cleaner
- apply adhesive WEICON RK-7100
- join parts (painted aluminium and acrylic glass) and allow the adhesive to cure fully



Surface Cleaner

▸ 150 ml	▸ 400 ml
10024317	10024313



Easy-Mix RK-7100

▸ 50 g	▸ 50 g
10030534	10051232
off-white, milky	black

Advantages of our solution:

- **design flexibility**
- **short cycle time**
- **cost-effective assembly**
- **permanent bonding**

VIDEO

Repair and wear protection of rapeseed agitator blades



Description:

- blades from a rapeseed oil extraction plant
- cleaning of the blades with WEICON Cleaner S
- sandblasting and renewed cleaning
- build-up of the areas damaged by abrasion with WEICON HB 300
- application of a wear protection layer with WEICON Ceramic HC 220
- application of a second coat with WEICON Ceramic BL
- final coating with WEICON Ceramic HC 220



WEICON Ceramic HC 220

▸ 0.2 kg	▸ 0.5 kg	▸ 2.0 kg
10060702	10060705	10060707



WEICON Ceramic BL

▸ 0.2 kg	▸ 0.5 kg	▸ 2.0 kg
10054394	10000093	10005233



Cleaner S

▸ 1 L	▸ 5 L	▸ 10 L	▸ 28 L
10007611	10000347	10000348	10053455



WEICON HB 300

▸ 0.2 kg	▸ 0.5 kg	▸ 1.0 kg
10004472	10001084	10000099

Advantages of our solution:

- **permanent, sustainable repair**
- **no need to purchase new parts**

Bonding of aluminium profile with GRP pond basin







Description:

- cleaning of the aluminium profiles with WEICON Cleaner Spray S
- the profiles were roughened and then cleaned again with WEICON Cleaner Spray S
- bonding of aluminium profiles with GRP* basin with WEICON Speed-Flex
- the aluminium profile serves as a finish for the terrace slabs and as protection for the pond basin

*glass-fibre reinforced plastic



Cleaner Spray S

- 500 ml
  10000147



Aqua-Flex

- 310 ml
  10021673
  white
- 310 ml
  10021678
  grey
- 310 ml
  10021677
  black



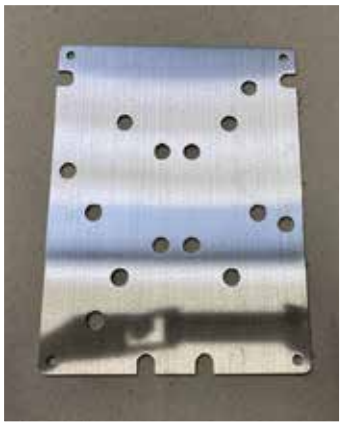
Speed-Flex®

- 280 ml
  10104943
  white
- 280 ml
  10104953
  grey

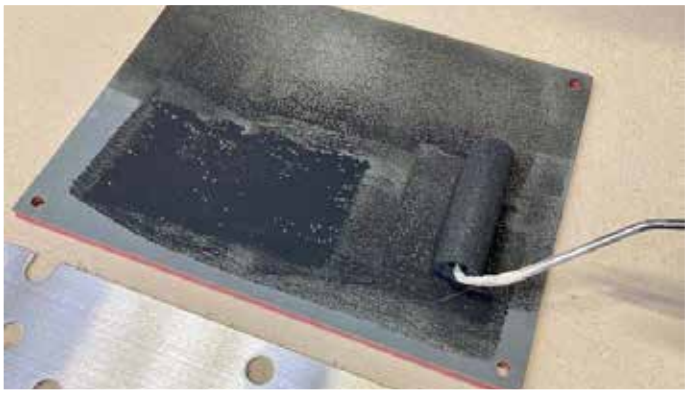
Advantages of our solution:

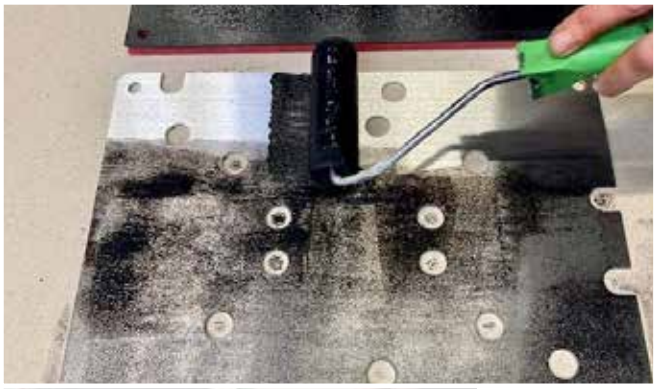
- **high and fast initial adhesion**
- **large tolerance compensation owing to high viscosity (V-cut nozzle/V-shaped beads)**
- **weather resistant**
- **no drilling, offers great design flexibility**

Wear and impact protection plates for municipal sweepers



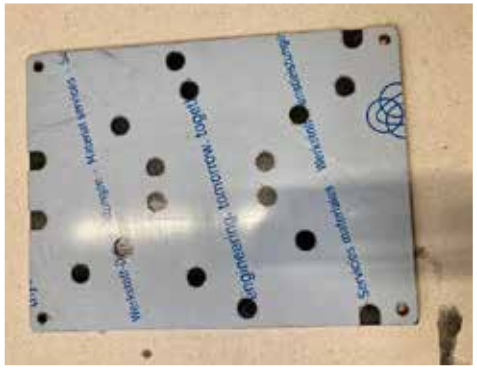












Description:

- made-to-order production for a manufacturer of road sweepers
- the polished stainless steel plates are bonded with a rubber material (Linatex Linard 60)
- WEICON GMK 2510 adhesive is used, which is applied with a brush roller
- the plates are delivered degreased, so there is no need to pre-clean the parts to be bonded



GMK 2510

▸ 324 g	▸ 690 g
10039649	10034480
Work package (contains 300 g of adhesive, 24 g of activator and wooden spatula)	Work package (contains 650 g of adhesive, 40 g of activator and processing spatula)

Advantages of our solution:

- **high initial adhesion**
- **excellent adhesion of metal and rubber**
- **simple and economical process**

Bonding rubber buffers to the aluminium base support of a moped seat







Description:

- roughen the surface and clean with WEICON Surface Cleaner
- apply WEICON VA 250 Black on the rubber buffer in a wave-shaped bead



Surface Cleaner

- 150 ml 10024317
- 400 ml 10024313



VA 250 Black

- 12 g 10018873
- 30 g 10016400
- 60 g 10019805
- 500 g 10012306

Advantages of our solution:

- **quick and easy bonding**
- **cures with residual elasticity**

Technical sprays in the food industry



Description:

- use, for example, on conveyor and packaging machines in the warehouse and in processing
- WEICON W 44 T-Fluid is mainly used in warehouses and laundries as a multi-oil on chains, gates and corroded surfaces



Food Grade Lubricant

- 200 ml 10027448
- 500 ml 10000158



W 44 T ®-Fluid

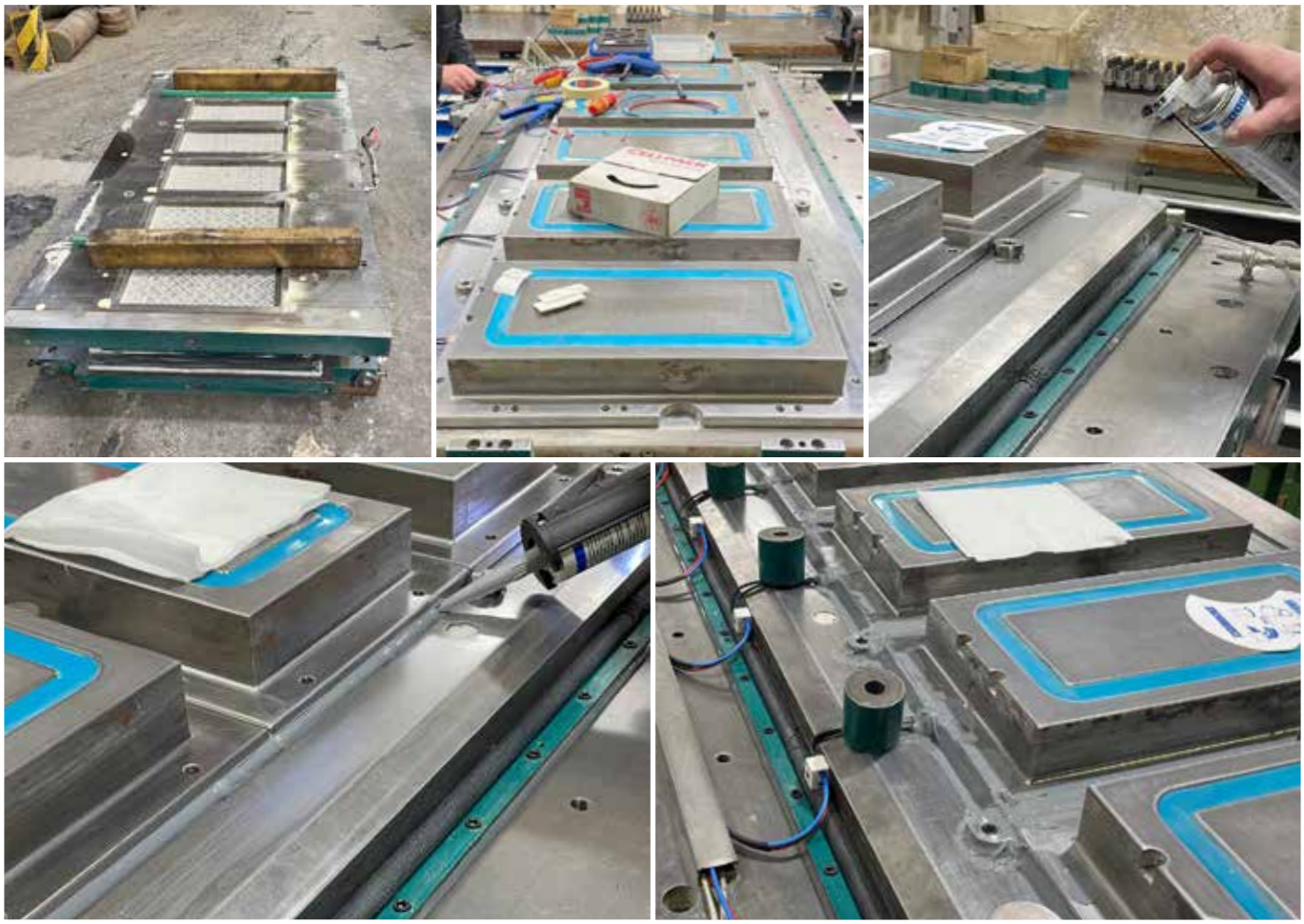
- 400 ml 10039113

Advantages of our solution:

- **safe use in the food industry**
- **wide range of applications**
- **excellent helpers for daily maintenance work**

VIDEO

Sealing of aluminium moulds for the production of ceramic/stoneware tiles



Description:

- aluminium moulds for the pressing of ceramic/stoneware tiles
- the material is added to the moulds in powder form
- the aluminium moulds must be sealed fully so that no ceramic powder can get into the mechanism and negatively affect the pressing depth
- cleaning with WEICON Brake Cleaner
- bonding with WEICON Flex 310 M Classic



Brake Cleaner

- 500 ml
  10000148



Flex 310 M® Classic

▸ 280 ml	▸ 280 ml	▸ 280 ml
10104011	10104007	10103997
white	grey	black
▸ 200 ml	▸ 200 ml	▸ 200 ml
10057238	10057240	10057245
presspack	presspack	presspack

Advantages of our solution:

- **reliable protection of the machine against ceramic powder**
- **cost-effective optimisation of the production process**

Repair of a hydrant

Description:

- repair of a micro-crack in a hydrant
- sandblasting
- enlarging the crack for more bonding surface
- adding cross sections to release the tension
- cleaning with WEICON Cleaner Spray S
- application of WEICON WR2, glass fibre cloth
- application of WEICON Repair-Tape



Cleaner Spray S

- 500 ml
  10000147



WEICON WR2

- 0.2 kg
  10054401
- 0.5 kg
  10000087
- 2.0 kg
  10000088

Advantages of our solution:

- **no new purchase necessary**
- **functioning completely restored**








Production of special extinguishers



Description:

- apply WEICONLOCK Activator F to the thread of the galvanised fitting
- apply WEICONLOCK AN 305-42 to the thread on the steel housing
- then screw on and tighten



DIN DVGW CERT

AN 305-42

▸ 20 ml	▸ 50 ml	▸ 200 ml
10016437	10017877	10020001



WEICONLOCK Activator F

▸ 60 ml	▸ 200 ml	▸ 1 L
10055677	10021433	10007773
Pen	Spray	Aluminium can

Advantages of our solution:

- **high sealing effect despite different material pairings**
- **DVGW approval**

Bonding of grippers for moving glass panes





Description:

- to protect the glass, the inside surface of the grippers are covered with wood
- the wood wears out after some time
- the worn wood is removed and new wood is glued to the inside surface of the grippers with WEICON Easy-Mix RK-7100
- the clamping device must be able to bear a weight of up to max. 2 tonnes



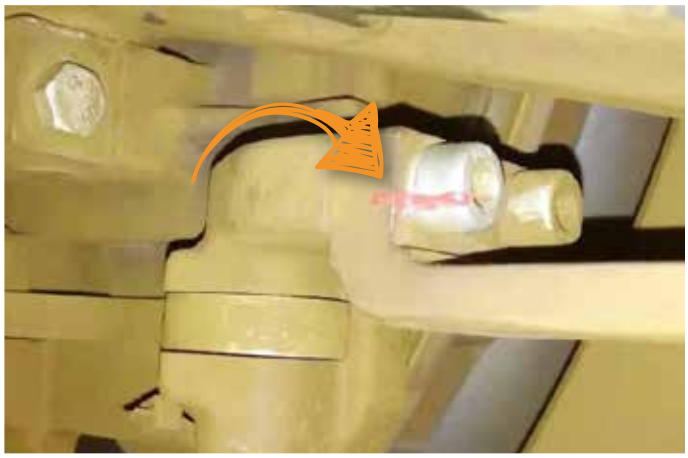
Easy-Mix RK-7100

▸ 50 g	▸ 50 g
10030534	10051232
off-white, milky	black

Advantages of our solution:

- **enables high tensile shear load**
- **simple, high-quality and safe maintenance**

Marking of screws on the underfloor of trains







Description:

- WEICON Threadlocking Varnish is used to mark all screw connections on the underbody of trains



Threadlocking Varnish

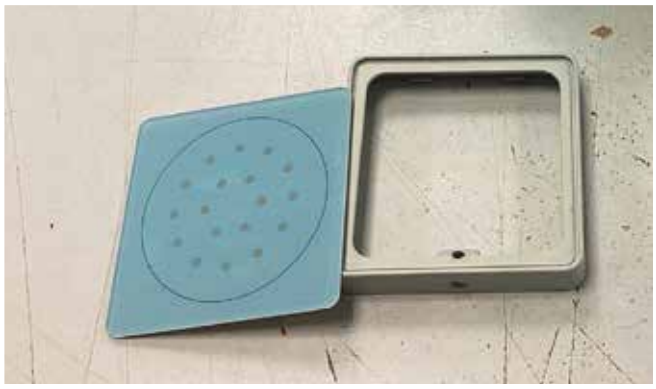
▸ 30 g 10038883	▸ 60 g 10047485	yellow: RAL 1021*
▸ 30 g 10038884	▸ 60 g 10046906	green: RAL 6010*
▸ 30 g 10038882	▸ 60 g 10047481	red: RAL 3000*

*corresponds approximately to the specified RAL colours

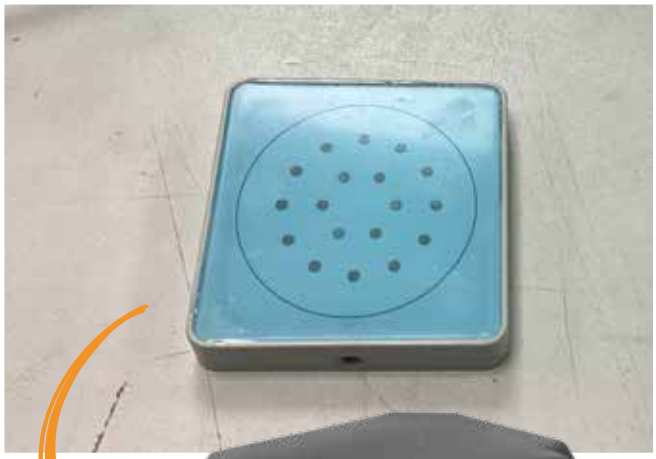
Advantages of our solution:

- **protects against manipulation**
- **guarantees high safety standards**

Production of a miniature traffic light module









Description:

- a transparent/high-strength bond was required, which also adheres to powder coating and is moisture-resistant
- cleaning with WEICON Surface Cleaner
- bonding a polycarbonate cover to powder-coated aluminium with WEICON Easy-Mix RK-7200



Surface Cleaner

- 150 ml — 10024317
- 400 ml — 10024313



Easy-Mix RK-7200

- 50 g — 10034573

Advantages of our solution:

- **high-strength, transparent bonding on powder coating**

Foundation work at an industrial grinding plant











Description:

- quantity consumed at aluminium oxide grinding plant: 1100 kg WEICON CBC
- to ensure additional walkability and slip resistance of the foundation, stone granulate with a grain size of 0.6 - 0.8 mm was added at the end
- several work steps were necessary to achieve the grouting height of 8 cm



WEICON CBC
Chocking Backing Compound

▸ 3.0 kg (2.0 l)	▸ 3.0 kg (2.0 l)	▸ 10.0 kg (6.6 l)
10064790	10045020	10045019

Advantages of our solution:

- **good resistance to loads and vibration**
- **durable and high-strength**

VIDEO

Repair of an engine cover



Description:

- first roughen in order to improve the bonding surface
- then clean the aluminium engine cover with WEICON Cleaner Spray S
- apply WEICON C because of its high temperature resistance, viscosity and aluminium base
- carry out mechanical finishing work



Cleaner Spray S

- 500 ml

10000147



WEICON C

▸ 0.2 kg	▸ 0.5 kg	▸ 2.0 kg
10051209	10000032	10000033

Advantages of our solution:

- **high temperature and oil resistance**
- **high modulus of elasticity**
- **low-cost repair**

Repair of a stainless steel pipe used to process tomatoes

Description:

- roughening the damaged area
- cleaning with WEICON Cleaner S
- closing and sealing the damaged area with WEICON Repair Stick Steel
- stabilising, sealing and strengthening the damaged area with WEICON Repair-Tape
- final coating with WEICON Zinc Spray as corrosion protection and for visual enhancement



Certified to NSF/ANSI 61 Facility #1 USA

WEICON Pipe Repair-Kit

5/15	5/35	10/35	12/100
▸ 5 cm x 1.5 m	▸ 5 cm x 3.5 m	▸ 10 cm x 3.5 m	▸ 12 cm x 10 m
10055737	10055738	10055740	10057026
white	white	white	white

5/15	5/35	10/35
▸ 5 cm x 1.5 m	▸ 5 cm x 3.5 m	▸ 10 cm x 3.5 m
10067737	10067741	10067743
black	black	black



Zinc Spray

▸ 400 ml
10000016

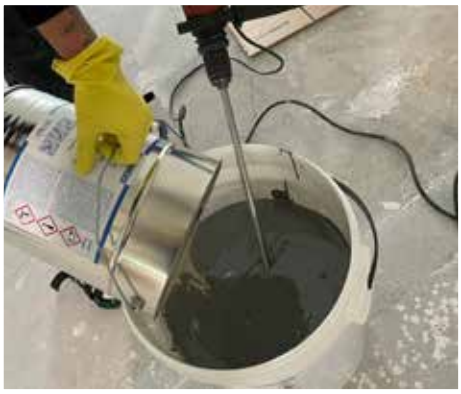




Advantages of our solution:

- **withstands a pressure of 8 bar**
- **suitable for the food sector due to NSF standard**
- **low-cost repair**
- **simple, long-term and fast application**

Treatment of a concrete floor









Description:

- cleaning the surface to remove adhesion-reducing deposits
- removal of cavities, levelling and priming, if required
- even application of the top layer using WEICON Floor Coating CR and a spatula and roller until the surface (230 m²) is saturated
- removal of any blisters with a spiked roller
- stocking of the warehouse possible after 24 hours

WEICON Floor Coating CR

▸ 6.0 kg	▸ 12.0 kg	▸ 30.0 kg
10067922	10067923	10067927

Advantages of our solution:

- **high resistance to pressure and scratches**
- **uncomplicated treatment of hard-wearing industrial floors**



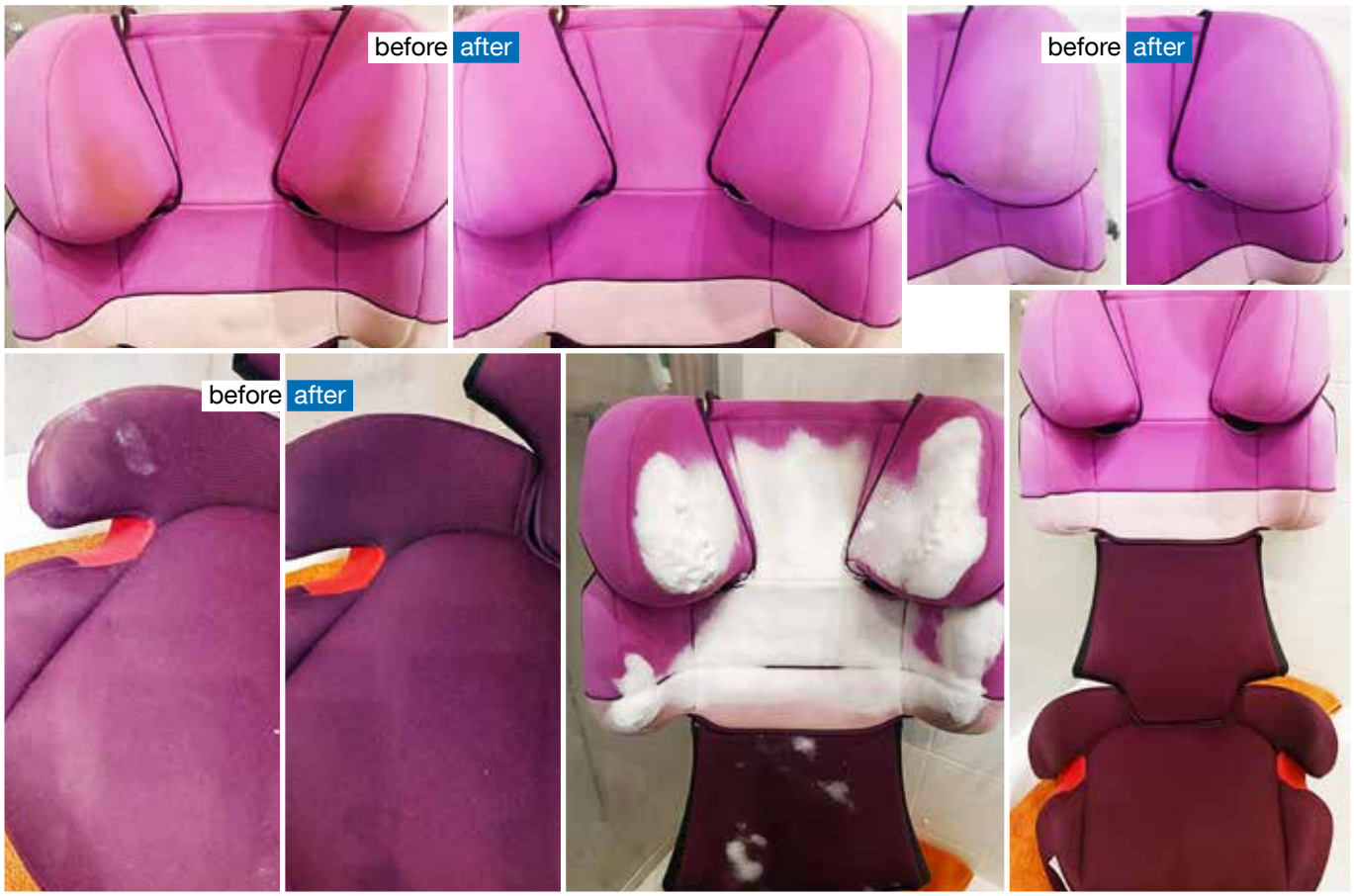








Cleaning seat cushions (child seat)



Description:

- spray on WEICON Multi-Foam
- allow to take effect
- rub out
- repeat, if necessary



Multi-Foam

- 400 ml

10000144

Advantages of our solution:

- **no discolouration**
- **no material damage**

Bonding of a gate wing











Description:

- for the new design of a gate, an adhesive was needed that is suitable for the material combination aluminium-aluminium
- during the bonding tests, the components were already powder-coated except for the surfaces where the adhesive was to be applied
- in future, the bare components will first be bonded and then powder-coated



Surface Cleaner

- 150 ml — 10024317
- 400 ml — 10024313



Easy-Mix HT 180

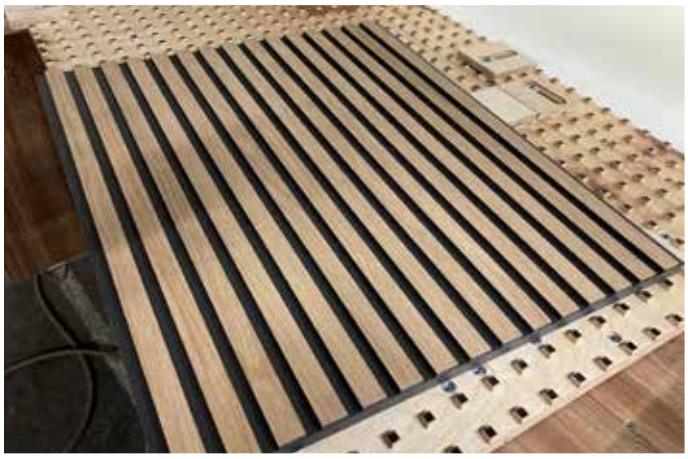
- 50 ml — 10044884

Advantages of our solution:

- **shock- and impact-resistant**
- **no welding and no material distortion**
- **withstands powder coating**
- **visually appealing bonding without screw or rivet heads**

Production of wall elements with automatic adhesive dosing system







Description:

- cleaning with WEICON Surface Cleaner
- bonding design mouldings in the furniture industry
- bonding with WEICON VA 1500 using a dispensing system



Surface Cleaner

- 150 ml 10024317
- 400 ml 10024313



VA 1500

- 12 g 10018820
- 30 g 10016434
- 60 g 10019791
- 500 g 10000237

VIDEO

Advantages of our solution:

- **simple installation without mounting systems (clips, screws, etc.)**
- **fast curing despite high viscosity**
- **no seepage into the material (MDF)**

Coating of cooling pump













Description:

- coating of the pump responsible for supplying the cooling system
- the pump has a weight of 42 tonnes
- size of the pump: 4 m height, 3.80 m length, 2.20 m width
- preparation: Bresle test, wash with hydro jet, sandblasting SA 2.5 MG
- cleaning with WEICON Cleaner Spray S
- coating with WEICON Ceramic HC 220
- processed quantity: 48 kg WEICON HC 220



Cleaner Spray S

- 500 ml
  10000147



WEICON Ceramic HC 220

- 0.2 kg
  10060702
- 0.5 kg
  10060705
- 2.0 kg
  10060707

Advantages of our solution:

- **preservation of the base material thanks to durable coating**
- **longer service life**

Lining and repair of chutes



Description:

- three chutes (transport chutes for solids) made of steel/stainless steel required repair work
- the chutes are lined on the inside with aluminium oxide bricks and have cavities and craters on the outside caused by the effects of flue gas
- sandblasting and cleaning with WEICON Industrial Cleaner
- WEICON Casting Resin MS 1000 was used as primer to ensure WEICON WR2 has the best possible adhesion in the cavities
- WEICON WR2 was pre-tempered at approx. 40 °C and applied wet on wet to WEICON MS 1000
- before bonding with WEICON HP, the majority of the bricks had to be cut to size for geometrical reasons



Industrial Cleaner

- 500 ml
  10055297



WEICON HP

- 0.2 kg
  10054393
- 0.5 kg
  10054003
- 2.0 kg
  10054004



WEICON Casting Resin MS 1000

- 0.2 kg
  10054402
- 0.5 kg
  10040057
- 1.0 kg
  10000168



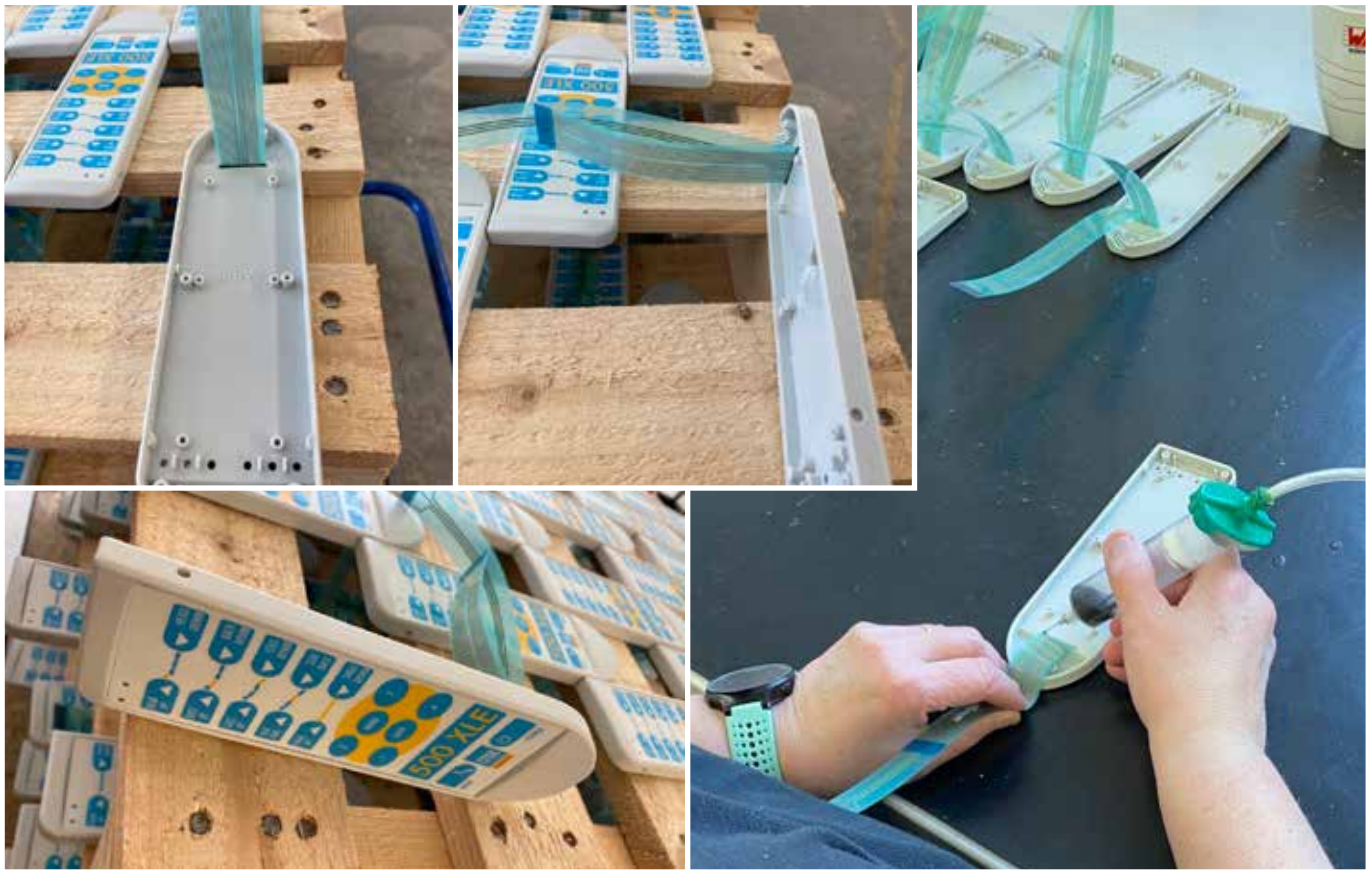
WEICON WR2

- 0.2 kg
  10054401
- 0.5 kg
  10000087
- 2.0 kg
  10000088

Advantages of our solution:

- **restoration, preservation and protection of the base material through durable coating and lining with wear protection bricks**
- **increased service life**

Fixing of switching strips on remote controls in medical technology



Description:

- fixing electronic components to the casing of a remote control for medical technology with WEICON VA 250 Black
- dosing is carried out with the aid of a pneumatic adhesive dispenser
- the adhesive must fill the gap between the electronic component and the casing, have a high peel strength and be resilient when cured



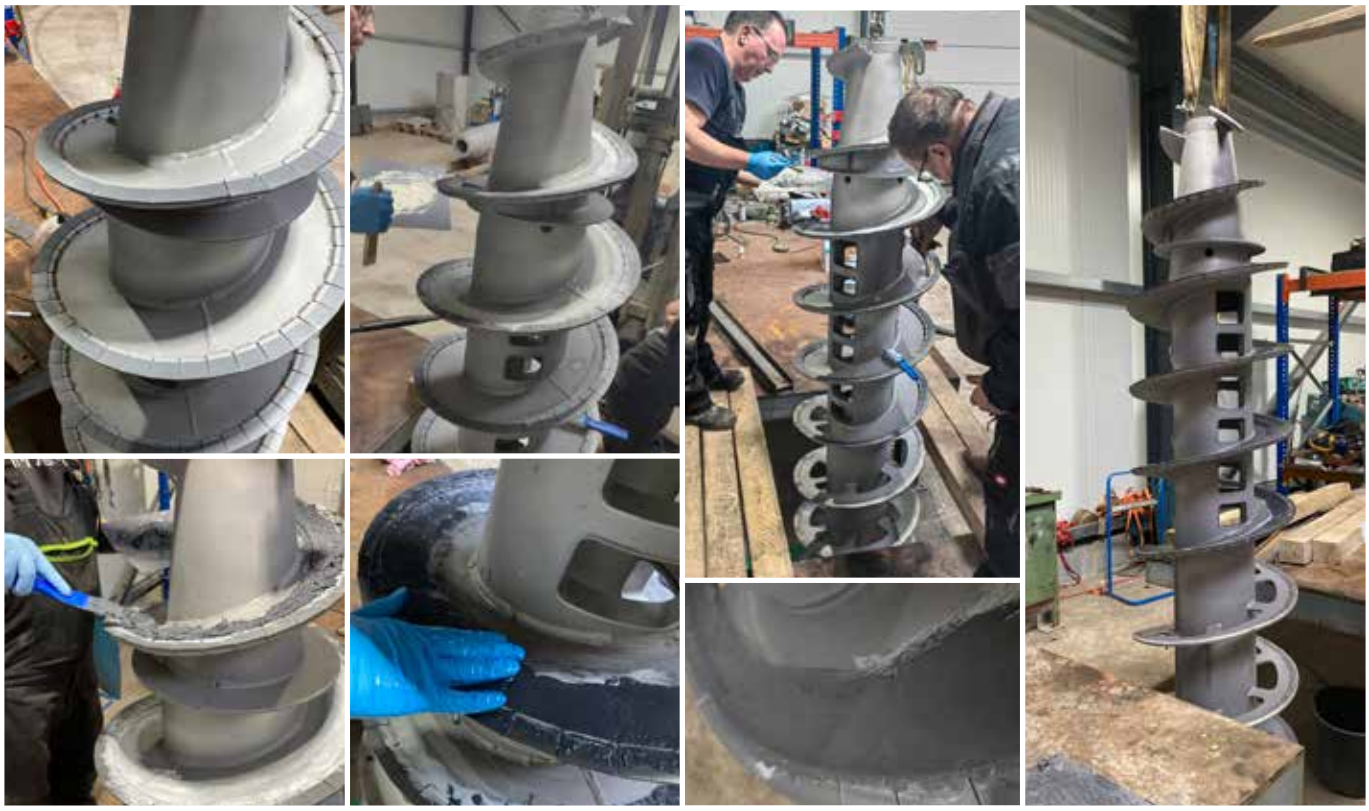
VA 250 Black

12 g	30 g	60 g	500 g
10018873	10016400	10019805	10012306

Advantages of our solution:

- **bond retains residual elasticity and can be carried out within seconds**
- **short cycle time**
- **good resistance to media and moisture (cleaning agents and disinfectants)**

Coating of a screw conveyor for the waste water sector



Description:

- the screw conveyor is used in a plant in which sewage sludge is separated
- the brazed-on carbide plates on the outer edge of the screw are exposed to high abrasion
- the transition from the carbide plates to the actual screw needed to be levelled and protected
- only the outer 5 cm were coated, as the load decreases significantly towards the centre tube
- the screw was sandblasted to prepare the surface, then cleaned with WEICON Cleaner Spray S
- application of a thin adhesive layer with WEICON HP
- application wet on wet of WEICON WP
- afterwards cleaning with WEICON Industrial Cleaner
- final abrasive layer with WEICON Ceramic HC 220



Cleaner Spray S

- 500 ml

10000147



WEICON HP

- 0.2 kg — 10054393
- 0.5 kg — 10054003
- 2.0 kg — 10054004



WEICON WP

- 0.2 kg — 10054399
- 2.0 kg — 10032320
- 10.0 kg — 10032939



WEICON Ceramic HC 220

- 0.2 kg — 10060702
- 0.5 kg — 10060705
- 2.0 kg — 10060707

Advantages of our solution:

- **levelling of production-related unevenness**
- **protection of the base material**
- **no entanglement of the conveyor material**

Repair of the agitator propeller in a biogas plant

Description:

- to repair the propeller in an agitator of a biogas plant, the heavily damaged blades were first stabilised with WEICON Repair Stick Multi-Purpose
- then they were laminated in layers with WEICON Casting Resin MS 1000
- final coating with two layers of WEICON Ceramic HC 220



Cleaner Spray S

- 500 ml
  10000147



Repair Stick Multi-Purpose

- 57 g
  10053992
- 115 g
  10053995



WEICON Casting Resin MS 1000

- 0.2 kg
  10054402
- 0.5 kg
  10040057
- 1.0 kg
  10000168



WEICON Ceramic HC 220

- 0.2 kg
  10060702
- 0.5 kg
  10060705
- 2.0 kg
  10060707



Advantages of our solution:

- **repair and renewed protection of the base material**
- **low-cost repair**
- **no new purchase necessary**

Wear protection on the sieve holder in a malting plant for the brewing industry



Description:

- above the sieve unit (Ø 30 m) of a malting plant, the germinated and dried grain causes slight abrasion
- the recesses in the concrete need to be protected as best as possible
- removal of lose concrete residues, followed by cleaning with WEICON Cleaner Spray S
- application of WEICON Casting Resin MS 1000 as an adhesion or bonding layer
- application of WEICON Food Grade, the coating was applied in two layers on two consecutive days
- then roughening of the surfaces with 60 to 80 grit sandpaper
- followed by cleaning with WEICON Cleaner Spray S
- observe the flash-off time and then apply Food Grade again
- for this application 20 kg WEICON Food Grade and 5 kg WEICON Casting Resin MS 1000 were used



WEICON Casting Resin MS 1000

▸ 0.2 kg	▸ 0.5 kg	▸ 1.0 kg
10054402	10040057	10000168



WEICON Food Grade

▸ 0.2 kg	▸ 0.5 kg	▸ 2.0 kg
10062864	10062869	10062875

Advantages of our solution:

- **protection of the base material**
- **no contamination of the grain**
- **approval for use in food contact applications**



Cleaner Spray S

▸ 500 ml
10000147

Repair of a screw press in a brick factory



Description:

- the screw press was heavily worn by the clay mixture and had to be repaired
- pre-treatment: the machine housing was sandblasted and in inaccessible areas it was treated with an angle grinder
- cleaning with WEICON Cleaner Spray S
- worn surfaces were repaired with WEICON WP



Cleaner Spray S

- 500 ml
  10000147



WEICON WP

- 0.2 kg
  10054399
- 2.0 kg
  10032320
- 10.0 kg
  10032939

Advantages of our solution:

- **repair and protection of the base material**
- **no expensive rebuilding of the system**

Wear protection coating of an inner pump housing in a sewage treatment plant



Description:

- a pump through which sewage sludge is conveyed needed to be protected against abrasion
- surface pre-treatment by sandblasting and subsequent cleaning with WEICON Cleaner Spray S
- WEICON HP as an adhesive layer
- second layer WEICON WP with Flexy spatula (wet-on-wet method)
- WEICON Ceramic HC 220 as abrasive layer/finishing coat

Cleaner Spray S

- 500 ml
  10000147

WEICON HP

0.2 kg	0.5 kg	2.0 kg
10054393	10054003	10054004

WEICON Ceramic HC 220

0.2 kg	0.5 kg	2.0 kg
10060702	10060705	10060707

WEICON WP

0.2 kg	2.0 kg	10.0 kg
10054399	10032320	10032939

Advantages of our solution:

- **preservation of the base material thanks to durable coating**
- **increased service life**

Coating of steel supports on shrimp breeding tanks

Description:

- anti-corrosion coating of a hot-dip galvanised steel support that had to be suitable for the food industry
- the tanks filled with salt water are breeding tanks for shrimps



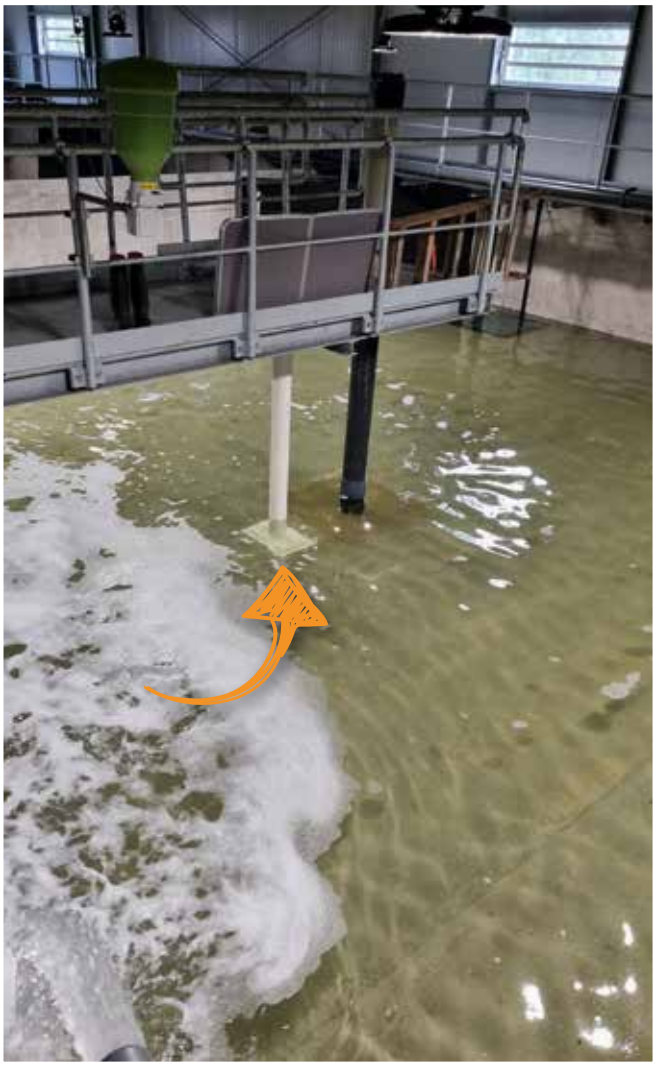
Cleaner Spray S

- 500 ml
  10000147



WEICON Food Grade

0.2 kg	0.5 kg	2.0 kg
10062864	10062869	10062875





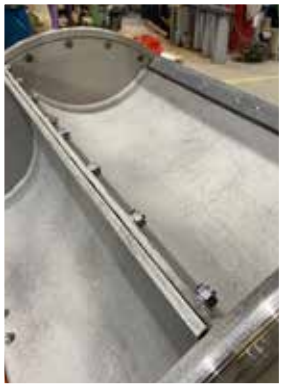
Advantages of our solution:

- **approval for use in food contact applications**
- **high, long-lasting protection against corrosion**

Coating of rotary valve in a cement plant










Description:

- a mineral material is conveyed, which causes strong adhesion to the rotary valve and the scraper
- the stainless steel components (approx. 3.5 m²) were sandblasted, heated with a fan heater and then coated with a 2-layer system of WEICON Anti-Stick
- the use of WEICON Anti-Stick is intended to extend the service life



WEICON Anti-Stick

▸ 0.2 kg	▸ 0.5 kg	▸ 2.0 kg
10062938	10062940	10062941

Advantages of our solution:

- **longer service life**
- **protection of the base material**
- **efficient performance**

Anti-corrosion coating of the outer housing of a pump drive









Description:

- protecting the grey cast iron pump housing with a coating against oxidation in water
- surface pre-treatment by sandblasting and subsequent cleaning with WEICON Cleaner Spray S
- WEICON GL-S as control layer
- WEICON Ceramic BL as top coat



WEICON GL-S

▸ 0.2 kg	▸ 0.5 kg	▸ 2.0 kg
10060361	10060362	10060363



Cleaner Spray S

▸ 500 ml
10000147



WEICON Ceramic BL

▸ 0.2 kg	▸ 0.5 kg	▸ 2.0 kg
10054394	10000093	10005233

Advantages of our solution:

- **protection of the base material against corrosion**
- **display of the service condition using a two-colour layer system**

Repair of wheelhouse cover on a car



Description:

- removal of the cover
- cleaning with WEICON Cleaner Spray S
- pre-treatment with WEICON CA Primer
- bonding with WEICON CA Filler Set black
- time required for the repair (including wheel assembly, installation and removal) approx. 45 minutes



Contact Primer for Polyolefins

- 10 ml 10000275
- 100 ml 10000278
- 1 L 10000279



Cleaner Spray S

- 500 ml 10000147



WEICON Contact-Filler Set black

Contains: WEICON Contact Filler black and WEICON Contact VA 8312

- Set 10063110

Advantages of our solution:

- **no expensive new purchase necessary**
- **fast, sustainable repair**

Bracket bonding for vibrating screed in concrete plant











Description:

- high-frequency vibrations, caused by the electric motor, affect the entire vibrating screed
- roughening of the aluminium motor bracket and cleaning with WEICON Surface Cleaner
- bonding with WEICON Easy-Mix RK-7000



Surface Cleaner

- 150 ml — 10024317
- 400 ml — 10024313



Easy-Mix RK-7000

- 50 g — 10018563

Advantages of our solution:

- **high force transmission/absorption of high-frequency vibrations**
- **full-surface, friction-locked connection as opposed to screws**
- **no material distortion as opposed to welding**

VIDEO

PE formwork for precast concrete elements



Description:

- PE strips are glued to all edges for sealing
- WEICON Easy-Mix PE-PP-50 is best suited for this application
- bonding could only be carried out with a special adhesive for low-energy plastics



Easy-Mix PE-PP 50

- 24 ml — 10062144 transparent
- 50 ml — 10058667 transparent

Dispenser D50

10005237

Helix Mixing Nozzle B-System

10030395



Cleaner Spray S

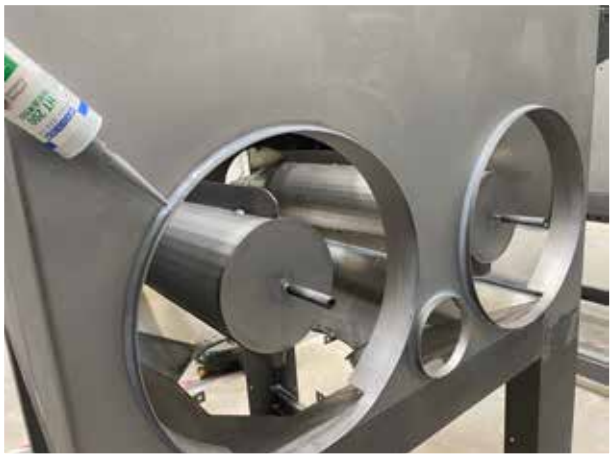
- 500 ml — 10000147

Advantages of our solution:

- **no additional fastenings necessary**
- **reproducible and simplified production process**

Sealing of seam for dust filter housing





Description:

- WEICON Flex 310 M HT 200 for seam sealing of housing parts for various dust filters in different industrial areas
- stainless steel filters are painted with WEICON Stainless Steel Spray bright grade for a visually appealing finish



Cleaner Spray S

- 500 ml

10000147

Stainless Steel Spray bright grade

- 400 ml

10032003



Flex 310 M® HT 200

- 280 ml

10104850
grey





Advantages of our solution:

- **no material changes resulting from welding**
- **withstands powder coating**

Coating of a hopper in screw production









Description:

- the finished nuts are transported in these hopper pallets
- corrosion occurs along the inside of the hopper over time; the nuts are exposed to this and contact corrosion occurs
- therefore, the hopper pallet is coated to prevent contact corrosion
- remove rust from the entire surface and roughen
- clean the surface thoroughly with WEICON Cleaner Spray S
- 1. layer: apply WEICON Ceramic BL as adhesion layer
- 2. layer: apply WEICON Ceramic HC 220 as wear protection



Cleaner Spray S

- 500 ml
  10000147



WEICON Ceramic BL

- 0.2 kg
  10054394
- 0.5 kg
  10000093
- 2.0 kg
  10005233



WEICON Ceramic HC 220

- 0.2 kg
  10060702
- 0.5 kg
  10060705
- 2.0 kg
  10060707

Advantages of our solution:

- **prevents contact corrosion**
- **protects the base material**

Coating of a galvanised steel sheet on a peat filling machine

Description:

- uneven portioning occurs when filling containers because of the strong adhesion of moist peat
- in addition, the surfaces are susceptible to wear due to the moist, sandy and acidic peat (pH value 2.5-3.5) and must be protected against abrasion and corrosion
- when delivered, the surfaces are only galvanised or coated with wet paint
- therefore, all surfaces that come into contact with peat are coated in a 2-layer system with the Plastic Metal WEICON Anti-Stick
- the surfaces were roughened in advance and pre-treated with WEICON Brake Cleaner



Brake Cleaner

- 500 ml

10000148



WEICON Anti-Stick

- 0.2 kg — 10062938
- 0.5 kg — 10062940
- 2.0 kg — 10062941

Advantages of our solution:

- **no adhesion of the material**
- **efficient production process**











Removal of construction foam/ adhesive residues







Description:

- the exposed Trespa mineral fibre façade was soiled by the excessive application of construction foam
- spray WEICON Sealant and Adhesive Remover onto the dried construction foam
- allow to take effect
- use WEICON Processing Spatula as an aid



Sealant and Adhesive Remover

- 400 ml

10026705



Processing Spatula, short version

- 400 ml

10010887

Advantages of our solution:

- **rapid, uncomplicated cleaning on a wide variety of surfaces**

Production of emergency lighting systems









Description:

- WEICON Flex 310 M HT 200 is used to seal metal housings, which are subsequently powder-coated
- the adhesive must be dosed selectively and with great precision
- the dispenser Airflow 3 is suitable for this task, as both the speed and the quantity can be precisely adjusted



Flex 310 M® HT 200

- 280 ml

10104850
grey



Surface Cleaner

- 150 ml — 10024317
- 400 ml — 10024313

Advantages of our solution:

- **reliable sealing for safety-relevant parts**
- **powder coating possible**

Coating of a container for saline solutions











Description:

- the special challenge here was the large area and, at times, the very limited freedom of movement in the container (approx. 20 m²)
- roughen and clean the container with WEICON Cleaner Spray S
- 1. layer: apply WEICON GL-S
- the dried WEICON GL-S layer was roughened and cleaned again the following day, followed by the 2. layer: WEICON Ceramic HC 220



Cleaner Spray S

- 500 ml
  10000147



WEICON GL-S

- 0.2 kg
  10060361
- 0.5 kg
  10060362
- 2.0 kg
  10060363



WEICON Ceramic HC 220

- 0.2 kg
  10060702
- 0.5 kg
  10060705
- 2.0 kg
  10060707

Advantages of our solution:

- **protects the base material**
- **increases the intervals between service maintenance**
- **resistant to a wide range of media**

Production of agricultural technology







Description:

- motorised mower especially for steep slopes and difficult terrain
- the basic unit can be fitted with various attachments
- the housing is bonded with WEICON Easy-Mix RK-7100 and WEICONLOCK AN 302-43 is used as threadlocker





Easy-Mix RK-7100

- 50 g, 10030534, transparent
- 50 g, 10051232, black

AN 302-43

- 10 ml, 10030474
- 20 ml, 10016419
- 50 ml, 10017876
- 200 ml, 10019968

Advantages of our solution:

- **reliable bonds even in extreme applications, e.g. agriculture, construction etc.**
- **economical production through the use of bonding technology**

Anti-stick coating of idler rollers for conveyor belts (waste disposal)















Description:

- WEICON Anti-Stick is used here to prevent dust/ dirt and waste residues from sticking to the roller (18 cm Ø x 150 cm) and impairing its functioning
- roughen the surfaces with flap disc K80
- clean with WEICON Cleaner Spray S
- 1. layer: apply WEICON Ceramic BL, then apply WEICON Anti-Stick wet on wet



Cleaner Spray S

- 500 ml
  10000147



WEICON Ceramic BL

- 0.2 kg
  10054394
- 0.5 kg
  10000093
- 2.0 kg
  10005233



WEICON Anti-Stick

- 0.2 kg
  10062938
- 0.5 kg
  10062940
- 2.0 kg
  10062941

Advantages of our solution:

- **longer service life of machine parts**
- **reduction of material sticking to the rollers and therefore less downtime**

Production of heavy-duty ropes (LCP)



Description:

- an LCP rope (liquid crystal polymer) is to be connected with a stainless steel connector
- after joining them, the ropes are immersed in seawater once they have cured 100 %
- WEICON Easy-Mix N 5000 withstood a tensile test of up to 6 tonnes
- a total of 6000 ropes were bonded
- for one rope, two cartridges WEICON Easy-Mix N 5000 were required



Easy-Mix N 5000

- 50 ml

10016374

Advantages of our solution:

- **high-strength bonding of rope sockets**
- **capillary penetration thanks to low viscosity**

VIDEO

Removal of sealant residues from a flange gasket





Description:

- apply WEICON Sealant and Adhesive Remover
- allow to take effect
- repeat, if necessary
- mechanical removal of the residues



Sealant and Adhesive Remover

- 400 ml

10026705



Processing Spatula, short version

- 400 ml

10010887

Advantages of our solution:

- **facilitates work**
- **no damage to the sealed surfaces**
- **residue-free removal of old sealing material**

Casting junction boxes on outdoor floor lighting

Description:

- electronic components buried underground have to be protected against the weather / moisture / pests
- the liquid Urethane 90 SF reliably encases all connections and offers long-term protection



Urethane 90 SF

Shore hardness: D 90

- 550 g

10053974









Advantages of our solution:

- **easy to process**
- **low exothermic reaction**
- **cures rapidly**

VIDEO

Maintenance and protection of injection moulds



















Description:

- the magenta-coloured Corro-Protection protects tools from flash rust during storage
- clean with Mould Cleaner to remove any impurities during the process
- Anti-Friction Spray, PTFE-Spray or Anti-Seize High-Tech for lubricating the ejectors
- Mould Release Agent to make it easier to remove components from the moulds



Anti-Friction Spray MoS_2

- 400 ml

10029748

Mould Cleaner

- 500 ml

10025766

PTFE-Spray

- 400 ml

10000151

Mould Release Agent

- 400 ml

10000154

Corro-Protection

- 400 ml

10000157
colourless

- 400 ml

10053034
magenta

Anti-Seize High-Tech

- 120 g

10000221

Advantages of our solution:

- **easily visible corrosion protection**
- **high temperature resistance (ASW)**
- **longer functioning thanks to a wide range of products**

Repair of a conveyor belt









Description:

- a CNC saw for horizontal foam cutting required repair work
- processing of end products in the areas of filtration, acoustics, sealing, packaging technology and other industries
- repair with WEICON Belt Repair-Kit



Cleaner Spray S

- 500 ml

10000147



WEICON Belt Repair-Kit

Belt Repair-Kit 550
- 500 g + Primer G 50 g

10055014

Belt Repair-Kit 590
- 540 g + Primer G 50 g

10052425

Advantages of our solution:

- **no new purchase necessary**
- **sustainable repair**

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WEICON

APPLICATIONS AND PRODUCTS IV

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