



WEICON

APPLICATIONS AND PRODUCTS III



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ALWAYS THE RIGHT SOLUTION

We don't just sell products, we provide solutions – worldwide. Wherever needed, we always find the right answers to our customers' application requests. Whether repairing a ship's propeller, a large submersible pump, a classic car carburettor or bonding designer steel tables, coating a cyclone in the mining industry or cleaning in the food production industry – our extensive WEICON product range is suitable for a wide variety of applications in all areas of industry, the skilled trades and for challenging DIY projects.

Applications on swimming ponds



Description:

- ▶ WEICON Adhesive Spray extra strong / WEICON Adhesive Spray Liquid is used to fix the protective fleece for the pond liner
- ▶ Adhesive Spray Liquid was applied undiluted with a spray gun
- ▶ Protective edges made of aluminium sheet were attached both with WEICON Aqua-Flex and with WEICON Flex 310 M® Classic
- ▶ In addition, WEICON Primer S 300 was used on concrete for absorbent substrates



Adhesive Spray Liquid

- ▶ 1 L 10000375
- ▶ 20 L 10060655



Primer S 300

- ▶ 250 ml 10023568
- ▶ 25 ml 10060610



Aqua-Flex

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



Advantages of our solution:

- ▶ Fast, large-scale application
- ▶ Easy to use
- ▶ Quick, uncomplicated assembly

Repair of a heat pump tank



Description:

- ▶ The tank was so badly damaged by corrosion that it showed leaks
- ▶ Sandblasting of the tank
- ▶ Cleaning with WEICON Cleaner Spray S
- ▶ The damaged areas were repaired with WEICON HB 300 plastic metal; the large hole was additionally reinforced with cloth tape
- ▶ To speed up the repair process and shorten the curing time, a hot air dryer was used
- ▶ Edges and pointed parts were smoothed/sanded down with sandpaper
- ▶ After curing, WEICON Ceramic BL was applied as a final top coat



Cleaner Spray S

- ▶ 500 ml
10000147



WEICON Ceramic BL

- ▶ 0,2 kg
10054394
- ▶ 0,5 kg
10000093
- ▶ 2,0 kg
10005233



WEICON HB 300

- ▶ 0,2 kg
10004472
- ▶ 0,5 kg
10001084
- ▶ 1,0 kg
10000099

Advantages of our solution:

- ▶ Short downtime and quick restart
- ▶ Very cost-effective repair and maintenance
- ▶ Long-term wear protection

Corrosion protection of the inner surfaces of refuse collection vehicles



Description:

- ▶ Protects the surfaces inside the truck against corrosive chemicals
- ▶ WEICON Ceramic BL is applied to all trucks every three years



WEICON Ceramic BL

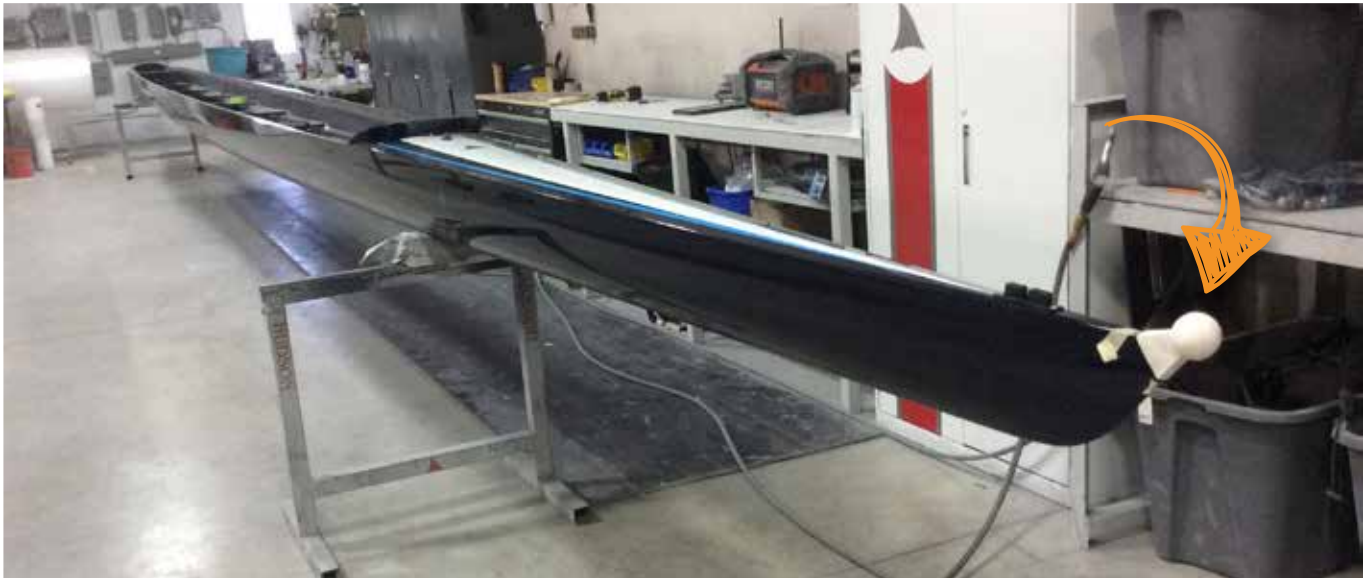
- ▶ 0,2 kg [10054394](#)
- ▶ 0,5 kg [10000093](#)
- ▶ 2,0 kg [10005233](#)



Advantages of our solution:

- ▶ Avoids maintenance costs and replacement of spare parts

Bonding of rubber impact protection on racing boats



Description:

- ▶ SHARK™ boats are used in professional international races, e.g. in World Cup races
- ▶ By applying WEICON RK-7100, a rubber ball is attached to the tip of the bow
- ▶ The ball serves as impact protection and increases safety during rowing



Easy-Mix RK-7100

- | | |
|------------------|----------|
| ▶ 50 g | ▶ 50 g |
| 10030534 | 10051232 |
| off-white, milky | black |

Advantages of our solution:

- ▶ High-strength, waterproof and long-term bonding
- ▶ Increased durability of racing boats

Repair of a ship or boat propeller



Description:

- ▶ Clean with WEICON Cleaner Spray S
- ▶ Sandblast
- ▶ Clean again with Cleaner Spray S
- ▶ Fill the cavitation damage with WEICON HB 300
- ▶ Grind the repaired surface until flat
- ▶ Seal the surface with WEICON Ceramic BL



Cleaner Spray S

- ▶ 500 ml
10000147



WEICON HB 300

- ▶ 0,2 kg 10004472
- ▶ 0,5 kg 10001084
- ▶ 1,0 kg 10000099



WEICON Ceramic BL

- ▶ 0,2 kg 10054394
- ▶ 0,5 kg 10000093
- ▶ 2,0 kg 10005233



Advantages of our solution:

- ▶ No need to purchase new parts
- ▶ Fast, cost-effective repair/maintenance



Attachment and alignment to hose covers and couplings on bunker station in harbour



Description:

- ▶ Clean the surface with WEICON Cleaner Spray S
- ▶ Align hose covers
- ▶ Apply WEICON Repair-Tape 10 cm x 3.5 m



WEICON Repair-Tape

- ▶ 5 cm x 1,5 m
10057453
- ▶ 5 cm x 3,5 m
10057454
- ▶ 10 cm x 3,5 m
10057455



Advantages of our solution:

- ▶ Simple, inexpensive and reliable sealing

Bonding of low-energy spacer and sliding elements made of PP



Description:

- ▶ PP spacer and sliding elements are attached to a conveyor belt with WEICON RK-7300



Easy-Mix RK-7300

▶ 50 g
10047457

Advantages of our solution:

- ▶ High-strength bonding of low-energy materials

Production of designer toilet pedestals



Description:

- ▶ For the production of luxury toilets in different colours, pedestals for the basic element were needed in individual sizes
- ▶ Apply mould release agent before casting in order to be able to remove the pedestal
- ▶ High layer thickness can be easily achieved with WEICON Casting Resin Plus 90
- ▶ Use of WEICON Colour Paste Black



Mould Release Agent Wax P 500

- ▶ 150 g 10026712
- ▶ 500 g 10026171



Colour Paste Black

Special colour paste based on finely dispersed colour pigments for colouring WEICON Urethane and WEICON Casting Resin

- ▶ 250 ml 10024676



WEICON Casting Resin Plus 90

- ▶ 0,2 kg 10060675
- ▶ 0,5 kg 10060677
- ▶ 1,0 kg 10060681

Advantages of our solution:

- ▶ Design flexibility
- ▶ Easy processing

Restoration work on a large submersible pump



Description:

- ▶ Heavily eroded cast iron on pump
- ▶ Clean with WEICON Cleaner Spray S
- ▶ Apply WEICON Rust Converter
- ▶ Correct the largest damages with WEICON A
- ▶ After curing, coat with WEICON HB 300
- ▶ After curing of WEICON HB 300, coat with WEICON GL and finally with WEICON Ceramic BL
- ▶ The different colours of the two wear protection systems make wear of the coating clearly visible



Rust Converter

▶ 400 ml
10047458



WEICON A

▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
10054381 10000003 10000006



Cleaner Spray S

▶ 500 ml
10000147



WEICON HB 300

▶ 0,2 kg ▶ 0,5 kg ▶ 1,0 kg
10004472 10001084 10000099



WEICON GL

▶ 0,2 kg ▶ 0,5 kg ▶ 1,0 kg
10057791 10057714 10057800



WEICON Ceramic BL

▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
10054394 10000093 10005233

Advantages of our solution:

- ▶ Function of the pump restored
- ▶ No new purchase necessary



Repair of rubber pipelines in gravel plant



Description:

- ▶ The pumping of sand causes erosion and cracks on the surface of the rubberised joints and connectors
- ▶ Previous solutions such as hot welding, pouring rubber or attaching patches with glue were insufficient, and consequently the parts had to be purchased anew
- ▶ Cleaning of larger holes and cracks with WEICON Cleaner Spray S, treatment with WEICON Primer G
- ▶ Followed by filling with WEICON Urethane 85
- ▶ Outer protective layer with WEICON Urethane 80 and for reinforcement insert with Paracord



Cleaner Spray S

▶ 500 ml
10000147



WEICON Urethane 80

Shore hardness: A 80

▶ 500 g
10012368



WEICON Urethane 85

Shore hardness: A 85

▶ 500 g ▶ 540 g
10057130 10057188
Work package Cartridge



Advantages of our solution:

- ▶ Extension of service life from 500 to 1200 hours
- ▶ Cost-effective repair and maintenance

Bonding of rubber seals in vehicle construction



Description:

- ▶ Processing of sealing profiles with different material pairings; focus on door and window seals of buses, sweepers, land vehicles and other similar vehicles
- ▶ Cutting of NBR seals and joint or mitre bonding with WEICON VA 20
- ▶ Insertion of NBR seal in powder-coated door/window frames with WEICON Contact Gel and WEICON VA 2500 HT
- ▶ EPDM profile as water drainage seal with WEICON VA 2500 HT (water drain inside the door)
- ▶ EPDM profile on aluminium rail with WEICON VA 1403 as portal frame for MAN bus doors – a total of 4 bonds are carried out on the 2 m long rail
- ▶ For the majority of applications, the results are sufficient for the end customer even without primer
- ▶ Cleaning with WEICON Fast Cleaner

	Contact GEL		VA 20
▶ 20 g 10002033	▶ 30 g 10018589	▶ 12 g 10018860	▶ 30 g 10016618
		▶ 60 g 10019781	▶ 500 g 10000215

	VA 2500 HT		VA 1403
▶ 12 g 10018871	▶ 30 g 10016398	▶ 12 g 10018879	▶ 30 g 10016512
▶ 60 g 10019803	▶ 500 g 10012291	▶ 60 g 10019798	▶ 500 g 10015993

Advantages of our solution:

- ▶ Fast further processing possible (VA 20)
- ▶ Slow curing, high viscosity, impact resistant and weather resistant (Contact Gel or VA 2500 HT)
- ▶ Low blooming and good resistance (VA 1403)

Coating of propeller shafts and rudder stock with ABS approval



Description:

- ▶ Sandblasting of the shaft
 - ▶ Cleaning with WEICON Cleaner Spray S
 - ▶ Application of WEICON A, levelling of minor anomalies
 - ▶ Wrapping of the shaft with WEICON Glass Fibre Cloth Tape
 - ▶ Application of WEICON Ceramic BL up to the required layer thickness (2–3 layer applications necessary)
- ▶ 9 m length of the propeller shafts
 - ▶ Coating with ABS and DNV approval; product processing according to plan; subsequent ELCOMETER test
 - ▶ After curing, the spot test was carried out and a continuous layer thickness of 2.6 – 3.0 mm was measured
 - ▶ A total of six propeller shafts and two rudder stocks were coated in this way



Cleaner Spray S

- ▶ 500 ml
10000147



WEICON A

- ▶ 0,2 kg 10054381
- ▶ 0,5 kg 10000003
- ▶ 2,0 kg 10000006



WEICON Ceramic BL

- ▶ 0,2 kg 10054394
- ▶ 0,5 kg 10000093
- ▶ 2,0 kg 10005233



Glass Fibre Cloth Tape

- ▶ 50 mm x 1 m
10000913

Advantages of our solution:

- ▶ No expensive new purchase necessary
- ▶ Restoration of their functionality

Pump maintenance



Description:

- ▶ Sandblasting and subsequent cleaning with WEICON Cleaner Spray S
- ▶ Patching of damaged areas by rebuilding with WEICON HB 300
- ▶ Grinding and cleaning with Cleaner Spray S
- ▶ First application of a control coat with WEICON GL
- ▶ Final coat application with WEICON Ceramic BL



WEICON HB 300

- ▶ 0,2 kg 10004472
- ▶ 0,5 kg 10001084
- ▶ 1,0 kg 10000099



Cleaner Spray S

- ▶ 500 ml 10000147



WEICON GL

- ▶ 0,2 kg 10057791
- ▶ 0,5 kg 10057714
- ▶ 1,0 kg 10057800



WEICON Ceramic BL

- ▶ 0,2 kg 10054394
- ▶ 0,5 kg 10000093
- ▶ 2,0 kg 10005233

Advantages of our solution:

- ▶ Restoration of their functionality
- ▶ Extension of service life
- ▶ Avoidance of an expensive new purchase

Repair of a damaged classic car carburettor



Description:

- ▶ Cleaning with WEICON Cleaner Spray S
- ▶ Milling out the thread
- ▶ Application of WEICONLOCK 302-44
- ▶ Modelling of the housing with WEICON Repair Stick Steel
- ▶ Application of the final sealing layer with WEICON Easy-Mix HT 180



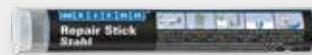
Cleaner Spray S

▶ 500 ml
10000147



AN 302-44

▶ 20 ml 10037361 ▶ 50 ml 10037167 ▶ 200 ml 10037363



Repair Stick Steel

▶ 57 g 10010241 ▶ 115 g 10007705



Easy-Mix HT 180

▶ 50 ml
10044884



Advantages of our solution:

- ▶ No expensive reproduction of the spare part necessary
- ▶ The Corvette Stingray 1978 is running again

Coating of an intercooler in a ship engine



Description:

- ▶ Severe corrosion of the condenser due to condensation caused by cooling compressed air in the turbocharger
- ▶ Loose rust was removed with a needle hammer
- ▶ The surface was cleaned with WEICON Cleaner Spray S
- ▶ WEICON Rust Converter was applied to stop existing corrosion
- ▶ A total of 10 kg of WEICON Ceramic BL was applied with a layer thickness of approx. 1 mm on an area of approx. 5 m²



Cleaner Spray S

▶ 500 ml
10000147



Rust Converter

▶ 400 ml
10047458



WEICON Ceramic BL

▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
10054394 10000093 10005233

Advantages of our solution:

- ▶ Restoration of spare parts that are no longer available



Glueing model trees to an architectural model



Description:

- ▶ Application of WEICON Contact VA 20 and WEICON Contact VA 1401 onto the tree stumps
- ▶ Fixation of the trees on the metal surface
- ▶ Cleaning is not necessary in this case – a certain degree of soiling can be tolerated in this application



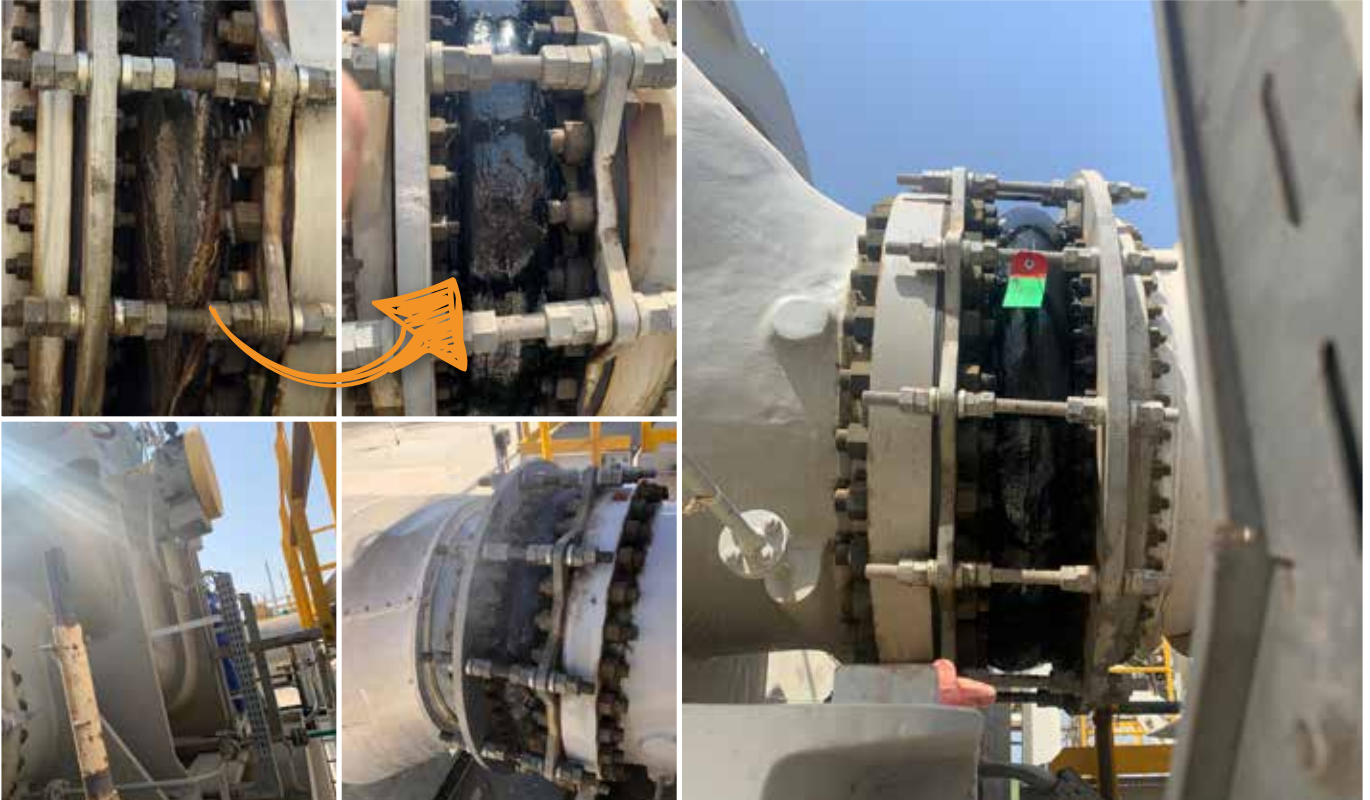
VIDEO



Advantages of our solution:

- ▶ Fast and long-term fixation
- ▶ Clean and residue-free bonding thanks to liquid adhesive
- ▶ No interference with the design

Repair of expansion bellows OQ (rubber bellows)



Description:

- ▶ In a refinery, an accident caused raw petrol to enter the cooling water and damage several components
- ▶ After cleaning the cooling water, various damages became apparent, i.e. damage to the expansion bellows of the pumps (Ø 1.6 m)
- ▶ Roughen the surface and then clean with WEICON Cleaner Spray S
- ▶ Apply WEICON Primer G
- ▶ Apply the first coat of WEICON Urethane 85
- ▶ Laminate WEICON Glass Fibre Cloth Tape onto it
- ▶ Apply the second coat of WEICON Urethane 85; application of a total of four coats



Cleaner Spray S

▶ 500 ml
10000147



Glass Fibre Cloth Tape

▶ 50 mm x 1 m
10000913



WEICON Urethane 85

Shore hardness: A 85

▶ 500 g ▶ 540 g
10057130 10057188
Work package Cartridge

Primer G

Special bonding agent for urethanes for the pre-treatment of rubber and metal surfaces

▶ 50 g
10057199



Advantages of our solution:

- ▶ New purchase of expansion bellows costs EUR 15,000–20,000
- ▶ Fast repair and rapid return to operational readiness

Coating of a de-dusting installation



Description:

- ▶ In a de-dusting installation, dust is transported through a pipe with the aid of water
- ▶ The metal surface around the pipe showed heavy wear marks resulting from the permanent exposure to the water-dust mixture
- ▶ Application of an adhesive tape to delimit the area to be coated
- ▶ Grinding of the surface
- ▶ Cleaning with WEICON Cleaner Spray S
- ▶ Application of WEICON WP to the surface (6 kg were used for both sides)
- ▶ Finishing the WP coating with a brush



Cleaner Spray S

▶ 500 ml
10000147



WEICON WP

▶ 0,2 kg ▶ 2,0 kg ▶ 10,0 kg
10054399 10032320 10032939

VIDEO



Advantages of our solution:

- ▶ Simple, low-cost repair
- ▶ No new purchase necessary

Repair of a ship propeller



Description:

- ▶ Roughening of the surfaces by sanding them
- ▶ Cleaning with WEICON Cleaner Spray S
- ▶ Application of the primer coat with WEICON BR
- ▶ Re-sanding and cleaning of the surface
- ▶ Application of the final coating with WEICON Ceramic BL



Cleaner Spray S

▶ 500 ml
10000147



WEICON BR

▶ 0,2 kg ▶ 0,5 kg ▶ 1,6 kg
10054386 10012669 10012670



WEICON Ceramic BL

▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
10054394 10000093 10005233



Advantages of our solution:

- ▶ Cheaper and faster than a new purchase

Bonding of polypropylene vent pipes



Description:

- ▶ HT pipes made of PP were used for ventilation in a residential building
- ▶ In the area of the sleeve, these had to be shortened and reconnected
- ▶ Bonding with WEICON Easy-Mix PE-PP 50



Easy-Mix PE-PP 50

- | | |
|-------------|-------------|
| ▶ 24 ml | ▶ 50 ml |
| 10062144 | 10058667 |
| transparent | transparent |

Dispenser D50

10005237

Quadro Mixing Nozzle B

10029793

Advantages of our solution:

- ▶ High-strength permanent bonding
- ▶ Easy assembly

Repair of a seal on a drum press



Description:

- ▶ Cleaning of the surfaces with WEICON Cleaner Spray S
- ▶ Pre-treatment of the surfaces to be bonded with WEICON Primer G
- ▶ Application of the permanently elastic repair compound WEICON Belt-Repair Kit
- ▶ A polyethylene film was wrapped around the seal to adapt the profile



Primer G

Special bonding agent for urethanes for the pre-treatment of rubber and metal surfaces.

10057199



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:

- ▶ Short downtime
- ▶ Fast, cost-effective repair

Repair of a pump used in wastewater disposal



Description:

- ▶ Clean with WEICON Cleaner Spray S
- ▶ Sandblast and clean again with WEICON Cleaner Spray S
- ▶ Apply WEICON HB 300 for the build-up and WEICON Ceramic HC 220 for the final coating



Cleaner Spray S

▶ 500 ml
10000147



WEICON Ceramic HC 220

▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
10060702 10060705 10060707



WEICON HB 300

▶ 0,2 kg ▶ 0,5 kg ▶ 1,0 kg
10004472 10001084 10000099

Advantages of our solution:

- ▶ Fast, low-cost and long-term repair



Bonding work on leg prostheses



Description:

- ▶ In the production of leg prostheses, an anodised coated aluminium tube is bonded to a stainless steel body
- ▶ In this application, the adhesive gap is very small
- ▶ Use of WEICON Easy-Mix N 5000, as it is highly fluid



Easy-Mix N 5000

▶ 50 ml
10016374



Advantages of our solution:

- ▶ No screws are needed
- ▶ High force transmission thanks to high-strength bonding
- ▶ Joining of different materials
- ▶ Fast, inexpensive production

VIDEO



Bonding work on gripper jaws of paper roll tongs



Description:

- ▶ Bonding of NBR rubber with steel S355
- ▶ First roughen the materials
- ▶ Then clean with WEICON Cleaner Spray S
- ▶ Apply WEICON GMK 2510 to both surfaces
- ▶ After approx. 10 minutes of drying time, join the materials and strike with a soft-face hammer



Cleaner Spray S

▶ 500 ml
10000147



GMK 2510

▶ 324 g
10039649

Work package
(contains 300 g
of adhesive, 24 g
of crosslinker and
wooden spatula)

▶ 690 g
10034480

Work package
(contains 650 g
of adhesive, 40 g
of crosslinker and
processing spatula)



Advantages of our solution:

- ▶ Temperature-resistant
- ▶ Impact-resistant

Bonding work on designer steel table



Description:

- ▶ Application at one of the leading steel processing companies in the United Arab Emirates
- ▶ An adhesive was to be used for the application, as welding was not possible and great importance was attached to aesthetics and stability
- ▶ Cleaning with WEICON Surface Cleaner
- ▶ Bonding of the metal parts with construction adhesive WEICON RK-1500



Surface Cleaner

- ▶ 150 ml ▶ 400 ml
- 10024317 10024313



WEICON RK-1500

- ▶ 60 g*1 ▶ 310 g*2
- 10008905 10016249
- ▶ 1,0 kg*1 ▶ 6,0 kg*2
- 10002622 10100180

*Complete package, comprising the adhesive and activator
 **without activator



Advantages of our solution:

- ▶ Design flexibility
- ▶ Easy assembly
- ▶ High-strength bonding



Coating of aluminium profiles on lighting installations



Description:

- ▶ Application at a manufacturer of lighting installations
- ▶ Treatment of all weld seams of the aluminium profiles with WEICON Aluminium Spray A-100
- ▶ 3000–4000 pieces of this article are used per year



Aluminium Spray A-100

▶ 400 ml
10000050



Advantages of our solution:

- ▶ Attractive look
- ▶ Excellent corrosion protection

Repair of waste shredder for substitute fuels



Description:

- ▶ Hood made of GRP, a glass-fibre reinforced plastic, and hinges made of steel
- ▶ The GRP in the area of the cast-in hinges was severely damaged by frequent and powerful opening and closing of the hood
- ▶ Grinding of hinges and of GRP
- ▶ Cleaning of roughened surfaces with WEICON Surface Cleaner
- ▶ Bonding with WEICON Easy-Mix RK-7100



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:

- ▶ Full-surface force transmission on the hinge
- ▶ No tearing of screws or rivets
- ▶ Permanent and inexpensive repair



Repair of a burner pipe for pulverised coal conveying in a cement plant



Description:

- ▶ Removal of the old rubber coating (MetaLine)
- ▶ Mechanical treatment of the damaged area by grinding
- ▶ Cleaning with WEICON Cleaner Spray S
- ▶ Correction of minor anomalies with WEICON WR2
- ▶ After curing of WEICON WR2, application of WEICON WP
- ▶ Final coating with WEICON Ceramic BL
- ▶ Subsequently, final application of WEICON Urethane 85 as connecting joint between WEICON WP and original material
- ▶ Fine coal dust hits the WEICON coated surface at an angle of 20°
- ▶ The dust is led through an air system to the burner and burnt there



Cleaner Spray S

- ▶ 500 ml
- 10000147



WEICON WP

- ▶ 2,0 kg
- ▶ 10,0 kg
- 10032320
- 10032939



WEICON WR2

- ▶ 0,5 kg
- ▶ 2,0 kg
- 10000087
- 10000088



WEICON Ceramic BL

- ▶ 0,5 kg
- ▶ 2,0 kg
- 10000093
- 10005233



Urethane 85

Shore hardness: A 85

- ▶ 500 g
- ▶ 540 g
- 10057130
- 10057188
- Work package
- Cartridge



Primer G

Special bonding agent for urethanes for the pre-treatment of rubber and metal surfaces

- ▶ 50 g
- 10057199

Advantages of our solution:

- ▶ Fast repair with lasting effect
- ▶ Durable protection against abrasive coal dust

Bonding of a sensor plastic insert for robots



Description:

- ▶ Casing elements around the robots are equipped with pressure sensors
- ▶ As soon as these are touched with a force of 5 Newton, the robot immediately goes into safety-protected standstill
- ▶ The mount for the sensors is bonded with WEICON Easy-Mix PE-PP 50 to the inside of the casing element
- ▶ The casing is made of ABS and the mount of PE



Easy-Mix PE-PP 50

- ▶ 24 ml 10062144 transparent
- ▶ 50 ml 10058667 transparent

Dispenser D50

10005237

Quadro Mixing Nozzle B

10029793

Advantages of our solution:

- ▶ Design flexibility through bonding
- ▶ Bonding also possible for badly matched material pairings (polyethylene)
- ▶ Easy assembly

Repair of a conveyor belt in a gravel plant



Description:

- ▶ Roughen the damaged area with abrasive flap disc, grade 80
- ▶ Then clean with WEICON Industrial Cleaner
- ▶ Apply WEICON Urethane 85 from a double cartridge; fill and level the damaged area with WEICON Contour Spatula Flexy



Industrial Cleaner

▶ 500 ml
10055297

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

VIDEO



Advantages of our solution:

- ▶ No new purchase necessary
- ▶ Fast, simple return to operational readiness
- ▶ Extension of service life

Repair/coating of a gravel hopper in a concrete plant



Description:

- ▶ A heavily used bucket needed repairing
- ▶ Many years ago, the bucket was equipped with PU wear protection mats all around
- ▶ Over time, the mats have loosened, sand moisture and grit have infiltrated the mats and loosened them from the material support
- ▶ Preparation: Area calculation approx. 11.22 cm³ / approx. 1.4 m², marking, removal of damaged material
- ▶ Pre-treatment of the substrate: rust removal with Bristle Blaster, then cleaning with WEICON Industrial Cleaner
- ▶ Final cleaning with WEICON Industrial Cleaner
- ▶ Application of WEICON WR2 over a wide area
- ▶ After the drying phase, coating with WEICON Ceramic BL



Industrial Cleaner

▶ 500 ml
10055297



WEICON WR2

▶ 0,2 kg 10054401 ▶ 0,5 kg 10000087 ▶ 2,0 kg 10000088



WEICON Ceramic BL

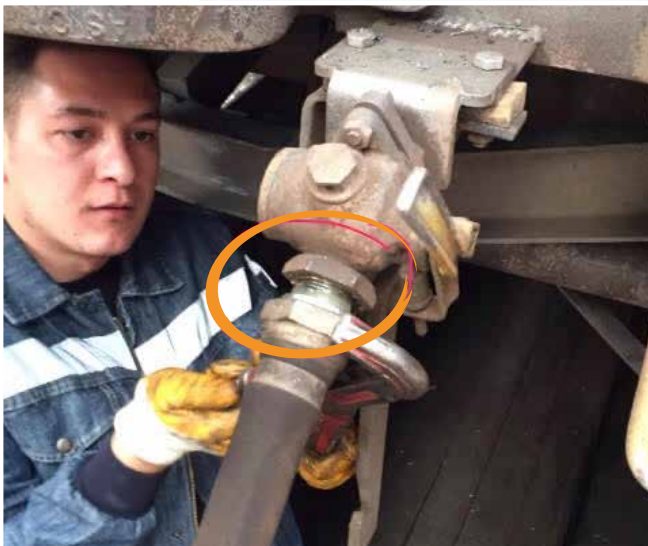
▶ 0,2 kg 10054394 ▶ 0,5 kg 10000093 ▶ 2,0 kg 10005233



Advantages of our solution:

- ▶ Low-cost permanent repair

Application on railway carriage



Description:

- ▶ Between the carriages, electric and air cables are connected with special apparatuses
- ▶ The compressed air generated in the locomotive is transferred to other carriages via these connections
- ▶ Compressed air is used both in the heating of the staff carriages and in the braking system of all carriages
- ▶ There is a pressure of up to 15 bar in the system – the sealing of the connections is therefore of major importance
- ▶ Teflon and hemp materials are normally used for sealing
- ▶ However, due to frequent disassembly and assembly, over-tightening can lead to deformation of the gears, assembly errors during tightening, as well as cracks and leakage
- ▶ Cleaning of the surfaces with WEICON Cleaner Spray S
- ▶ Use of WEICONLOCK AN 305-77 on gear connections



Cleaner Spray S

▶ 500 ml
10000147



AN 305-77

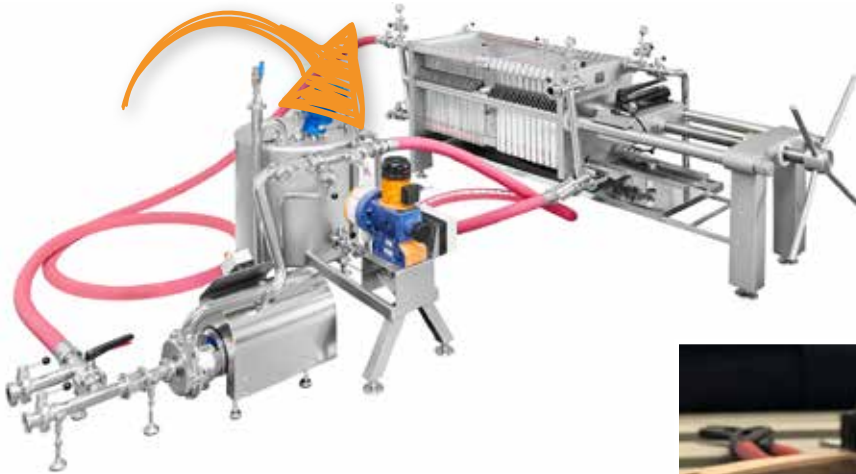
▶ 50 ml ▶ 200 ml ▶ 300 ml
10019949 10020011 10034148



Advantages of our solution:

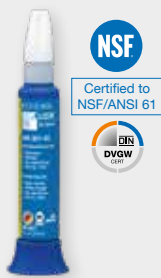
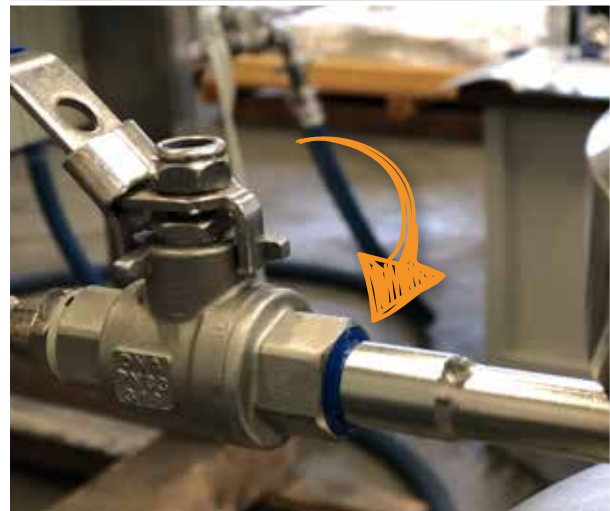
- ▶ Fast, simple repair

Bonding inlet and outlet valves on a wine filtration system



Description:

- ▶ The system has numerous inlet and outlet valves made of stainless steel (VA 316, VA 304)
- ▶ Previous sealing of valves and pipes with PTFE tape is insufficient
- ▶ A sealant with NSF approval was required that is resistant to the potassium hydroxide solution used as a cleaning agent
- ▶ Use of WEICONLOCK AN 301-43 in combination with WEICONLOCK Activator F for sealing



AN 301-43

- ▶ 20 ml
10026819
- ▶ 50 ml
10026814
- ▶ 200 ml
10026817



WEICONLOCK Activator F

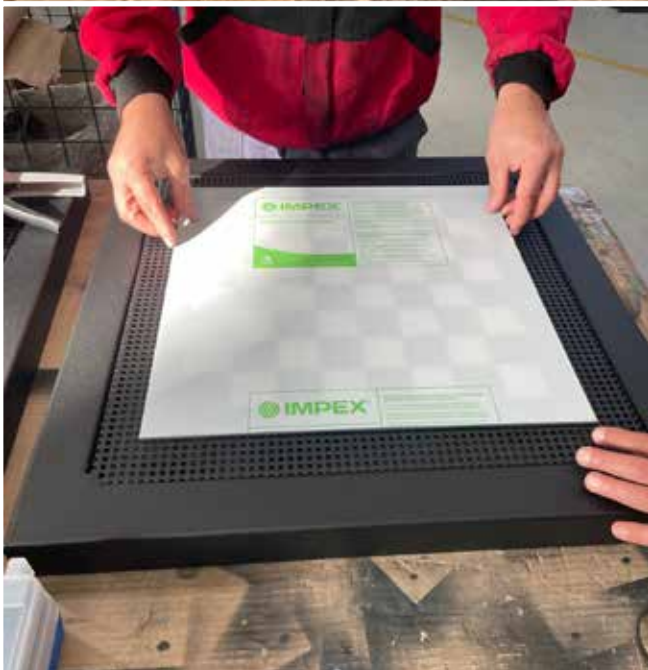
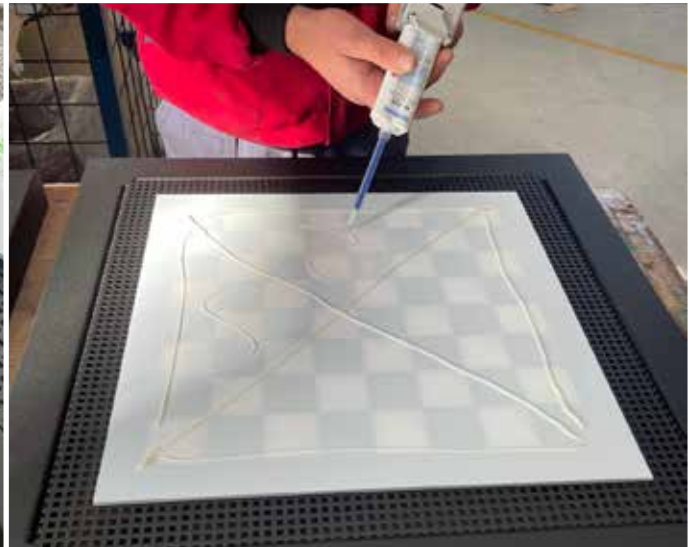
- ▶ 60 ml Pen
10055677
- ▶ 200 ml Spray
10021433
- ▶ 1 L Aluminium can
10068395

Advantages of our solution:

- ▶ High-strength permanent sealing effect with approval for use in food contact applications



Glueing work on an outdoor table in a city park



Description:

- ▶ Powder-coated steel was to be connected with a polycarbonate tabletop
- ▶ Cleaning with WEICON Cleaner Spray S
- ▶ 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:

- ▶ Weatherproof bonding



Sealing of battery packs on electric cars



Description:

- ▶ Cleaning with WEICON Surface Cleaner
- ▶ Sealing of the battery packs with WEICON Plast-o-Seal



Surface Cleaner

- ▶ 150 ml 10024317
- ▶ 400 ml 10024313



Plast-O-Seal®

- ▶ 90 g 10014387 Tube
- ▶ 120 g 10014388 Brush top can
- ▶ 230 g 10039427 Presspack
- ▶ 300 g 10014389 Cartridge



Advantages of our solution:

- ▶ Long-term sealing effect



Repair of the seal of a butterfly valve on a ship



Description:

- ▶ Rubber area on the body of a ship's butterfly valve damaged by maintenance/assembly
- ▶ Grind the surface
- ▶ Clean with WEICON Cleaner Spray S
- ▶ Apply WEICON Primer G
- ▶ Repair with WEICON Urethane 85
- ▶ Grind the surface again
- ▶ The repair withstood 6 bar during pressure test



Cleaner Spray S

- ▶ 500 ml
- 10000147



Primer G

Special bonding agent for urethanes for the pre-treatment of rubber and metal surfaces

- ▶ 50 g
- 10057199



Urethane 85

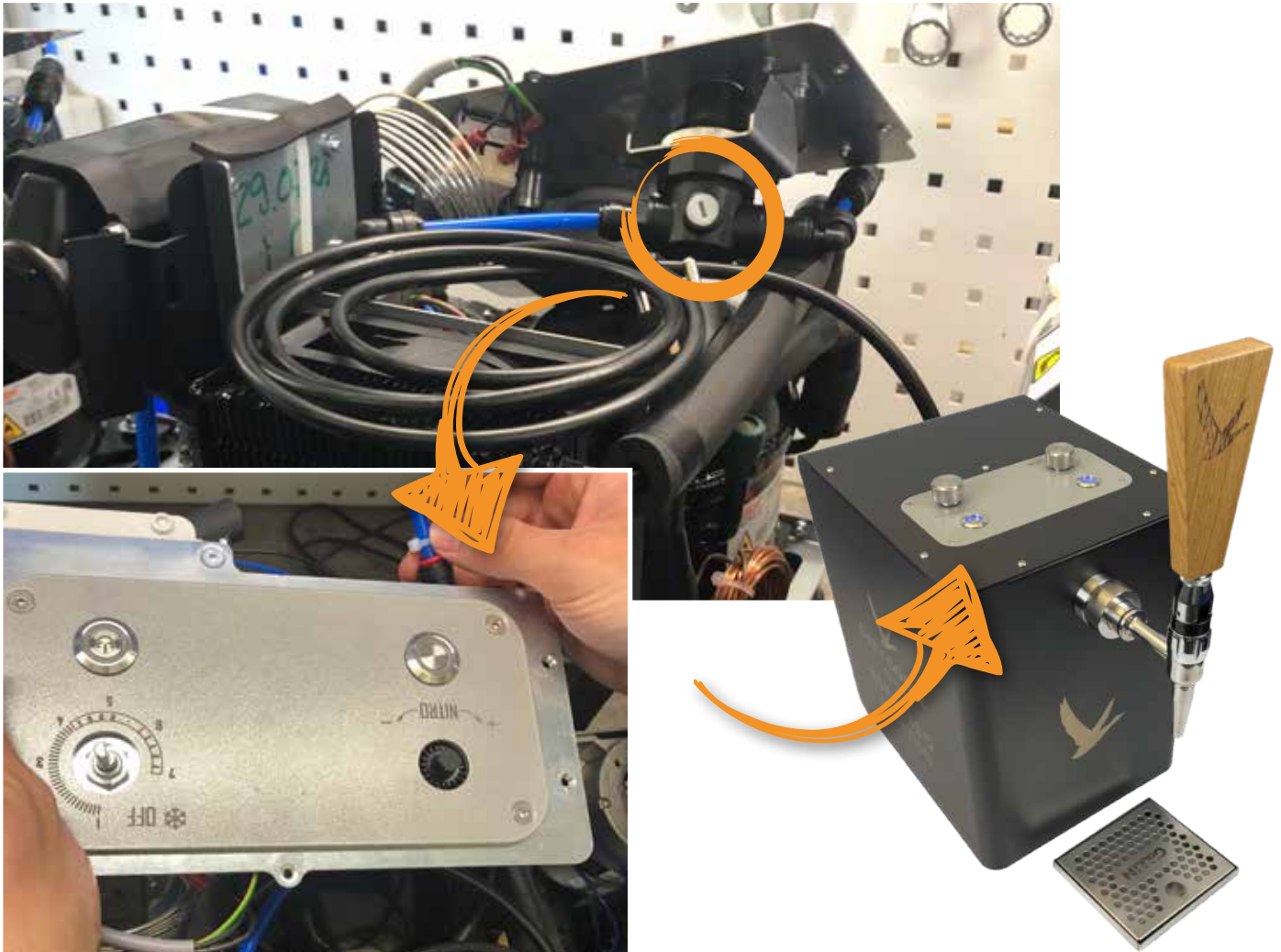
Shore hardness: A 85

- ▶ 500 g
- ▶ 540 g
- 10057130
- 10057188
- Work package
- Cartridge

Advantages of our solution:

- ▶ Fast, cost-effective, contour and congruent repair
- ▶ No new purchase necessary

Sealing/adhesive bonding on tap systems



Description:

- ▶ The plastic thread on PE sleeves required sealing
- ▶ NSF/FDA approval required for worldwide export
- ▶ Airtightness and NSF/FDA conformity as a requirement for the application
- ▶ Sealing of the compressed air regulator with WEICON Contact VA 1401



Advantages of our solution:

- ▶ Easy to handle
- ▶ Does not bloom
- ▶ Adhesive stays where applied and adheres quickly



VA 1401

- ▶ 12 g 10018869
- ▶ 30 g 10016402
- ▶ 60 g 10019787
- ▶ 500 g 10001557



Sealing/adhesive bonding on tap systems



Description:

- ▶ NSF/FDA approval required for worldwide export
- ▶ Thermometer case handmade from German oak and stainless steel frame
- ▶ It is required to permanently connect the wooden manometer with VA using a 1-component adhesive
- ▶ Bonding with WEICON Contact Gel



Contact GEL

- ▶ 20 g 10002033
- ▶ 30 g 10018589



Advantages of our solution:

- ▶ Fast curing
- ▶ Easy handling for visually sophisticated components



Temporary fixing of work pieces during wire cutting



Description:

- ▶ During wire cutting, workpieces must be fixed in place, as any movement would destroy the components, which are manufactured exactly to size
- ▶ There is a rather large gap of 0.3 mm when wire-cutting – if loaded too early, the component will tip over
- ▶ WEICON Contact Gel was pressed into the gap with a spatula, water was applied and then left to rest for approx. 10 minutes
- ▶ As a result of the shock curing and the subsequent waiting time, the adhesive is strong enough to prevent the component from tipping over
- ▶ After completing the cutting process, the adhesive was removed with WEICON CA-Remover



Contact GEL

▶ 20 g
10002033



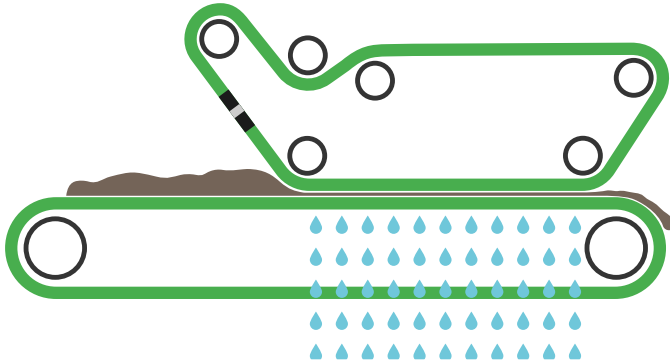
CA-Remover

▶ 30 ml
10051358

Advantages of our solution:

- ▶ Easy component separation after working on them
- ▶ Better removal of adhesive residues compared to the previous solution with a 2-component epoxy adhesive

Repair of a belt press for sludge



Description:

- ▶ Damaged seam of polyamide fabric in the conveyor belt of a dewatering belt press in a wastewater treatment plant
- ▶ Cleaning of the surface with WEICON Cleaner Spray S
- ▶ Pre-treatment of the surface with WEICON Primer G
- ▶ Application of WEICON Urethane 85
- ▶ **TIP:** tape off areas that are not to be coated



Cleaner Spray S

▶ 500 ml
10000147



Primer G

Special bonding agent for urethanes for the pre-treatment of rubber and metal surfaces

▶ 50 g
10057199



Urethane 85

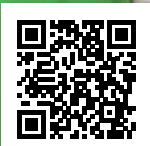
Shore hardness: A 85

▶ 500 g ▶ 540 g
10057130 10057188
Work package Cartridge

Advantages of our solution:

- ▶ Fast, low-cost repair
- ▶ Neither disassembly nor replacement necessary
- ▶ **TIP:** especially fast repair possible with Urethane 85 SF

VIDEO



Repair of the housing of an incinerator



Description:

- ▶ Highly aggressive and toxic media are incinerated in the incinerator
- ▶ The incinerator had to be shut down due to damage
- ▶ Clean with WEICON Cleaner Spray S
- ▶ Grind the surface and clean again
- ▶ Apply a base coat of WEICON HB 300 plastic metal
- ▶ Apply WEICON Glass Fibre Cloth Tape
- ▶ Finally, apply a top coat of WEICON HB 300



Cleaner Spray S

▶ 500 ml
10000147



WEICON HB 300

▶ 0,2 kg 10004472 ▶ 0,5 kg 10001084 ▶ 1,0 kg 10000099



Glass Fibre Cloth Tape

▶ 50 mm x 1 m
10000913

Advantages of our solution:

- ▶ Proper and professional repair of the incinerator
- ▶ Previous solutions using lacquers could be expertly replaced
- ▶ Easy processing of the epoxy resin systems
- ▶ Permanent operation of the incinerator guaranteed thanks to WEICON HB 300
- ▶ High temperature resistance and very good media resistance

Filling and sealing of a ventilation system



Description:

- ▶ Silicone not approved for this application due to lack of adhesion to stainless surface and unattractive appearance
- ▶ WEICON Flex 310 M® Stainless Steel was suitable for this application owing to its adhesive and sealing properties and compatibility on stainless surfaces



Flex 310 M® Stainless Steel

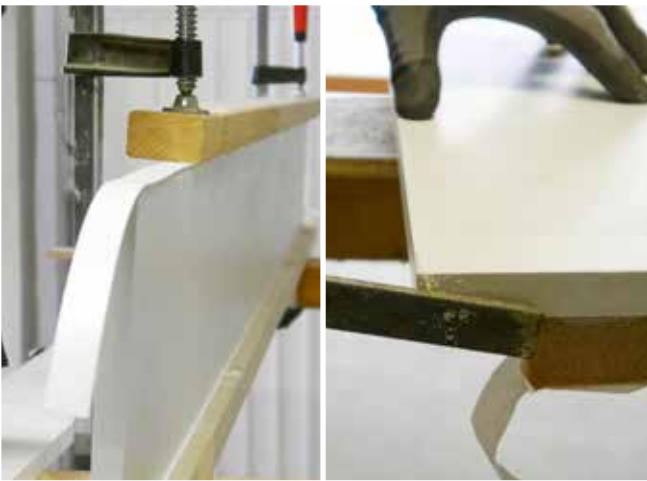
- ▶ 310 ml
- ▶ 10049091
- ▶ Stainless Steel



Advantages of our solution:

- ▶ Replacement of the sealing silicone
- ▶ No corrosive attack on the ventilation ducts by acetic acid
- ▶ Permanent expansion-free sealing effect

Bonding of edge banding/edge protection on chipboards



Description:

- ▶ Apply WEICON Fast-Bond on chipboards
- ▶ Spread the adhesive with a spatula
- ▶ Fix and tighten the components
- ▶ Final treatment: cut and grind off excess material



Surface Cleaner

- ▶ 150 ml 10024317
- ▶ 400 ml 10024313



Fast-Bond

- ▶ 310 ml 10015372 beige



Universal Spatula

10039185



Processing Spatula, short version

10010887

Advantages of our solution:



- ▶ Fast curing
- ▶ Greatly improved adhesive strength compared to hot melt adhesives
- ▶ Gap-filling; good adhesion to plastic and wood; penetrates well into the material and ensures long durability
- ▶ Frost-proof, temperature and moisture resistant
- ▶ Ideally suited for damp rooms, such as cellars and bathrooms
- ▶ Can be mechanically processed after curing

Cleaning and protection of coffee roasting machines before delivery



Description:

- ▶ For parts made of stainless steel and powder-coated surfaces
- ▶ Spray on WEICON Metal-Fluid and polish with a clean, soft cotton cloth



Metal-Fluid

▶ 400 ml
10016338



Advantages of our solution:

- ▶ Meets the high NSF standards for the food sector
- ▶ Lasting protection against fingerprints and new soiling

Coating of a cyclone in the mining industry



Description:

- ▶ Mechanical cleaning, substrate pre-treatment, cleaning with WEICON Cleaner Spray S
- ▶ Application of adhesive layer with WEICON HP
- ▶ After curing, application of a second coat with WEICON WP
- ▶ Embedding of 3 mm ceramic balls into the still wet surface
- ▶ After curing, final sealing with WEICON HP
- ▶ Abrasion protection coating against limestone particles of 3 to 4 mm in size



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

Advantages of our solution:



- ▶ Protection against abrasion
- ▶ Extension of service life
- ▶ No expensive purchase of new parts necessary



Rust conversion on the axle carrier of electric cars



Description:

- ▶ Repair of the axle carrier on the chassis of electric cars
- ▶ Removal of loose rust particles
- ▶ Application of WEICON Rust Converter



Rust Converter

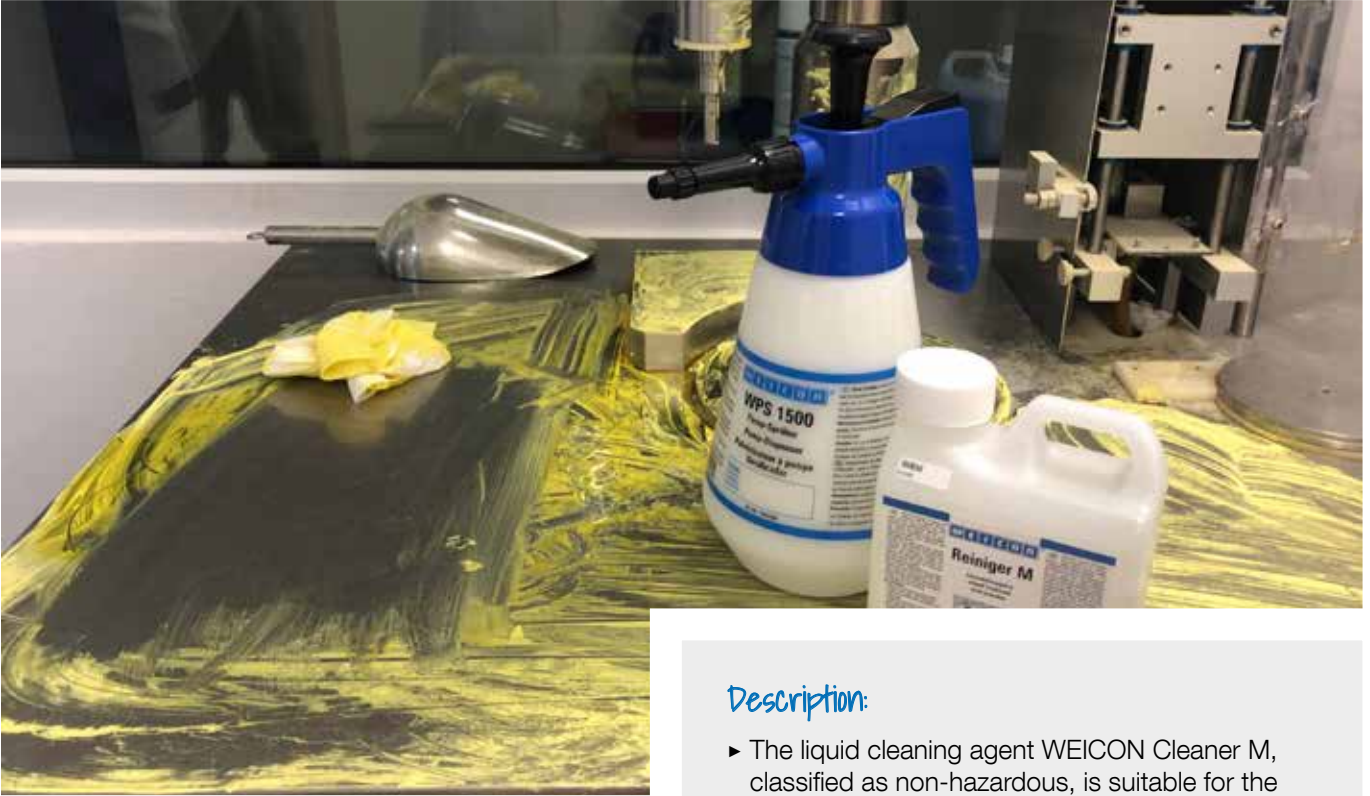
▶ 400 ml
10047458

Advantages of our solution:

- ▶ Durable, cost-effective and long-lasting repair



Cleaning in the food production industry



Description:

- ▶ The liquid cleaning agent WEICON Cleaner M, classified as non-hazardous, is suitable for the cleaning of equipment and of floors and walls in the pharmaceutical industry
- ▶ The cleaner can be used, for example, to remove dried powder that is difficult to dissolve and contains a high proportion of vitamin C



Cleaner M

- | | | | |
|----------|----------|----------|----------|
| ▶ 1 L | ▶ 5 L | ▶ 10 L | ▶ 28 L |
| 10059076 | 10060671 | 10058236 | 10060673 |

VIDEO



Advantages of our solution:

- ▶ Non-hazardous product with extremely high efficiency



Repair of system coolers



Description:

- ▶ Sandblasting and grinding as pre-treatment; subsequent cleaning with WEICON Cleaner Spray S
- ▶ Build-up of the damaged areas with WEICON HB 300
- ▶ Levelling of the repaired areas through grinding, then cleaning with WEICON Cleaner Spray S
- ▶ First coating with WEICON Ceramic BL as primer and control layer
- ▶ Final coating with WEICON Ceramic HC 220 as a final protective layer



WEICON HB 300

- ▶ 0,2 kg 10004472
- ▶ 0,5 kg 10001084
- ▶ 1,0 kg 10000099



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:

- ▶ Restoration of the system component
- ▶ Extension of service life
- ▶ No new purchase necessary

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AND PRODUCTS III**

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