

WEICON®

Best of Applications 2019

















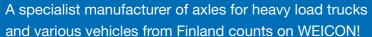
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2 K







WEICON products are successfully used in all production processes of this company.

They are characterised by their high performance and excellent reliability.



WEICONLOCK AN 302-71 is used to secure the screws on the differential gear.

The anaerobic 1-component adhesive has medium viscosity, medium strength and is hard to disassemble - the perfect solution for high loads in operating machines.



Black-Seal

Special Silicone WEICON Black-Seal is used for sealing the differential.

The special silicone is high-temperature-resistant (+280°C/+536°F), solvent-free, strong, pressure-resistant, ageing-resistant and extremely elastic (elongation at break of approx. 500%).

Its most important feature for this application is its extremely high resistance to the aggressive gear oil



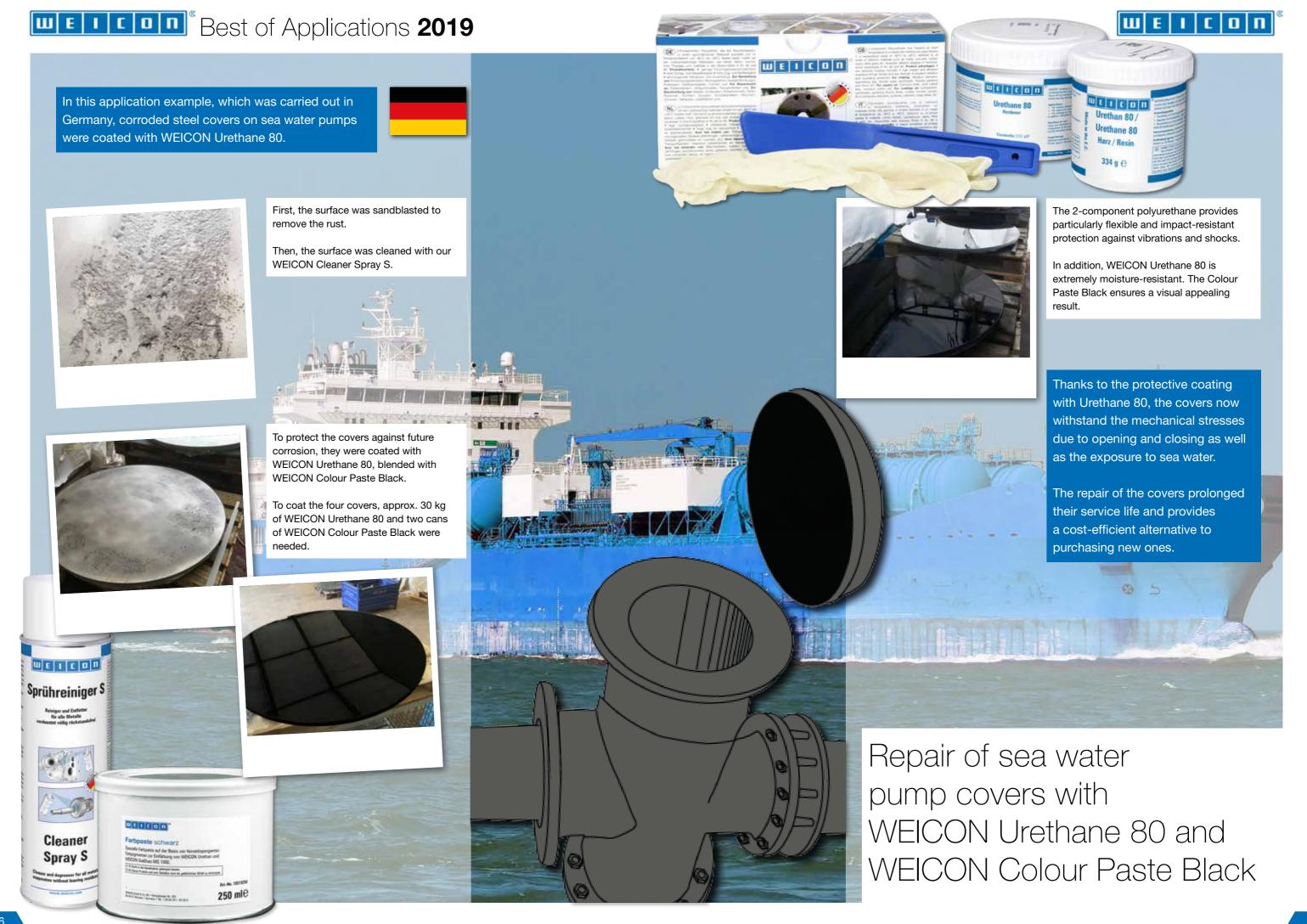
WEICON Flex 310 M 2 K perfectly seals the vehicle components.

The fast-curing MS polymer based on hybrid polymer is extremely strong, paintable (wet-on-wet), sandable and weather-resistant.

The adhesive is suitable for full-surface bondings and a gap-filling capacity up to ten millimetres.

Our customer has a wellequipped workshop cabinet full of WEICON products - with the right one for every application!

Producing truck axles with WEICONLOCK® AN 302-71, WEICON Black-Seal and WEICON Flex 310 M® 2 K



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A forklift can be equipped with different attachments. For lifting boxes without pallets, a so-called box clamp can be used. Our German customer was looking for a way to provide the aluminium surfaces of the box clamp with more traction. The solution: WEICON GMK 2510!



First, all components were cleaned with our WEICON Surface Cleaner.

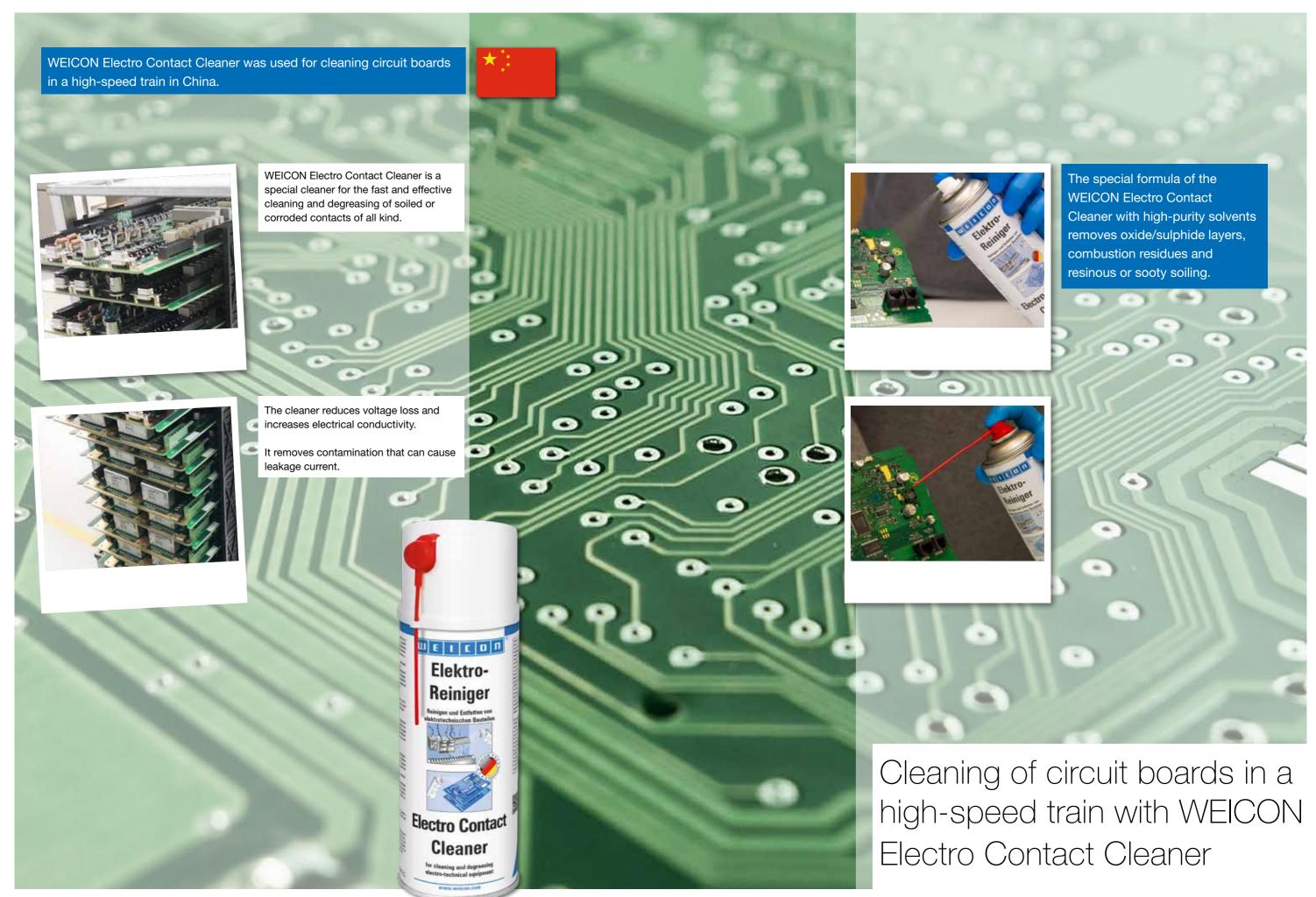
The spray is perfect for removing various soilings from different surfaces and is the ideal preparation before adhesive.



Then, WEICON GMK 2510 was applied to both sides. The liquid adhesive is particularly easy to apply. It reaches its final strength after 24 hours. Thanks to its permanent elasticity, it withstands dynamic motions particularly well.







Bridges are exposed to high mechanical stress. Moreover, they often have to withstand extreme weather conditions. In this application example from Germany, a crane runway showed significant signs of wear due to corrosion.



Previously, our customer had repaired the problematic areas with adjusting pieces. However, this method was rather difficult.



With our Plastic Metal WEICON CBC, we were able to provide the right alternative.

To achieve a frictional connection of the bridge bearing, the heterogenous grinding of the concrete due to microvibrations was reconstructed with the casting of WEICON CBC.



That way, the static properties could be restored. The special epoxy resin system has a low viscosity and is thus highly flowable and self-levelling.

WEICON CBC is suitable for a bonding gap of up to 10 mm. Larger gaps can be adjusted additionally by means of metal shims.



WEICON CBC forms a direct and frictional contact to the foundation.

Thanks to no cure shrinkage, high impact strength as well as high resistance to pressure, substances and ageing, the product provides a long-term solution.

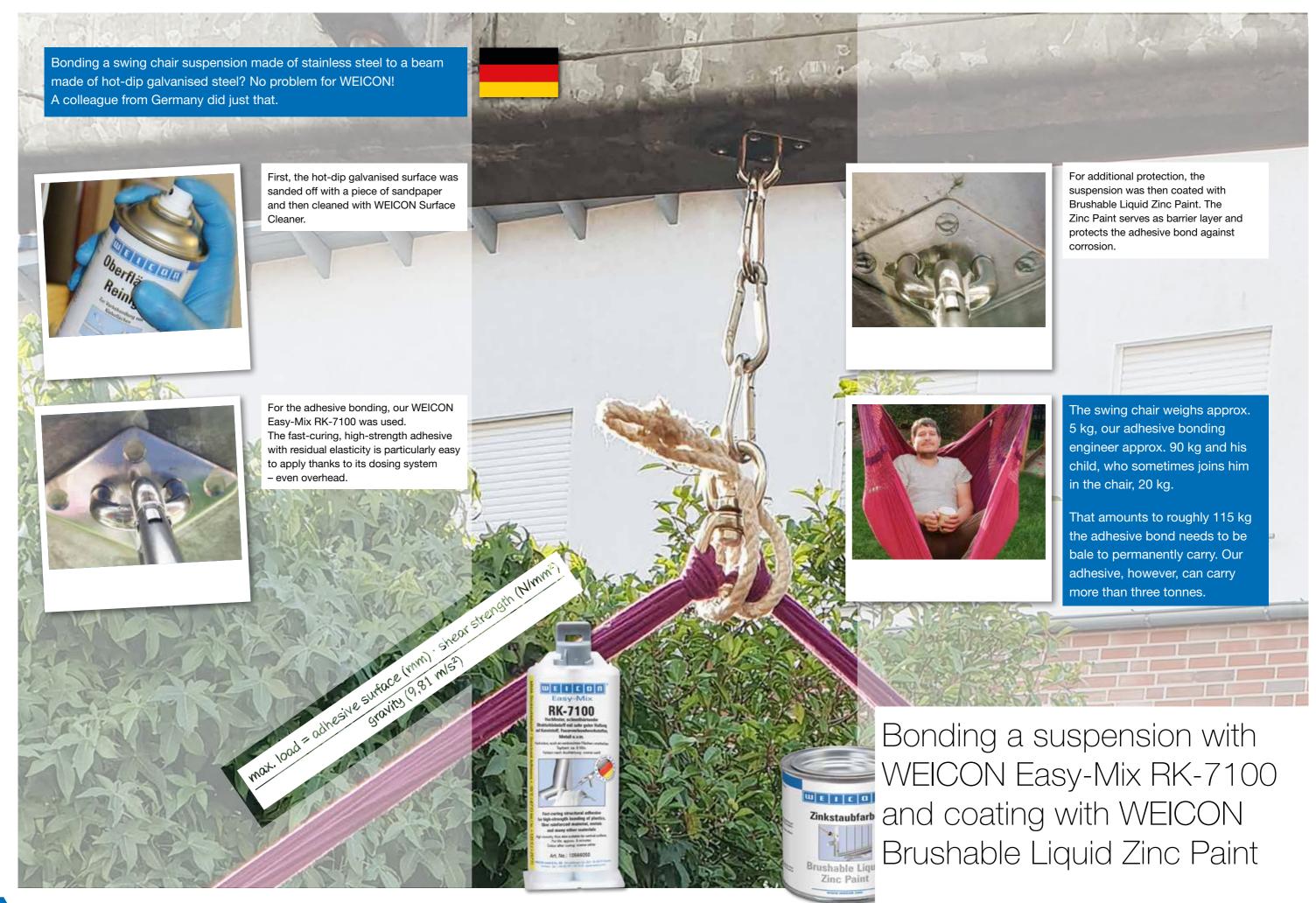
Due to the permanently high static strength, constructions remain constant in their alignment.

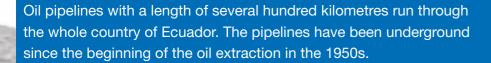
Repair of a bearing on a crane runway with WEICON CBC (Chocking Backing Compound)













Due to the stony layers of soil as well as sometimes extreme temperature fluctuations, the material inevitably shows corrosion damages after several years.

These damages needed to be repaired as well as coated with a wear protection in order to make them durable for the next few years.



Cleaner

The pipelines were pre-treated with WEICON Cleaner Spray S.

When choosing the right coating for the repair, it was important to find a product which can be processed on steel, withstands high temperatures during application as well as curing, and which is also fast and easy to apply.

The 1:1 mixing ratio of our HB 300, its pasty texture as well as its non-drip properties enable a particularly easy application even under difficult conditions.

At the same time, WEICON HB 300 provides a smooth surface structure, which is ideal for an additional wrapping with protective foil or coating with carbon fibre after curing.



in Ecuador



Adhesives are part of our everyday life. For most people, they are constant companions – for example, on their way to work in public transport. Recently, our WEICON Easy-Mix PE-PP 45 has been used in the production of busses in the Czech Republic. The structural acrylic adhesive is used for bonding door locking systems.

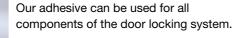


For the pre-treatment of the bonding components, WEICON Cleaner Spray S was used. Then, all components were bonded with WEICON Easy-Mix PE-PP 45 - PP to PP as well as PP to glass. The bonding gap of several millimetres could be filled with the 2-component assembly adhesive based on methyl acrylate.

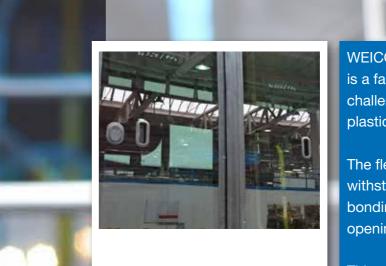
WEICON Easy-Mix PE-PP 45 is especially suitable for the structural, high-strength bonding of low surfaceenergy plastics like PE, PP and TPE.



Easy-Mix PE-PP 45 enables the easy joining of the bonding components. The mixing system ensures safe processing, as thanks to the two separate compartments, mixing errors are prevented.



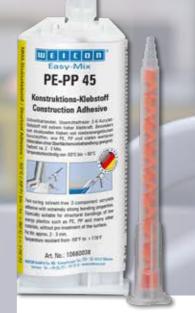
After two to three hours, the adhesive bond has usually reached handling strength. However, the adhesive should cure for approximately four hours at room temperature, before it reaches its full strength.



WEICON Easy-Mix PE-PP 45 is a fast and easy solution for challenging adhesive bonding of plastics.

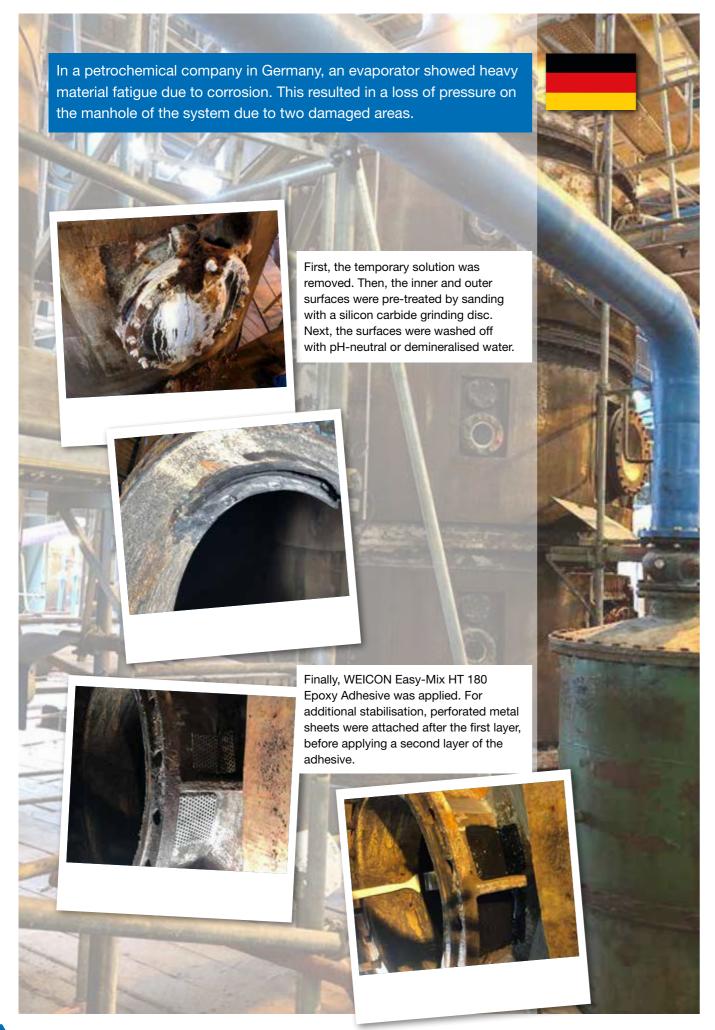
The flexible adhesive easily withstands stresses after bonding, for example due to the opening and closing of the doors.

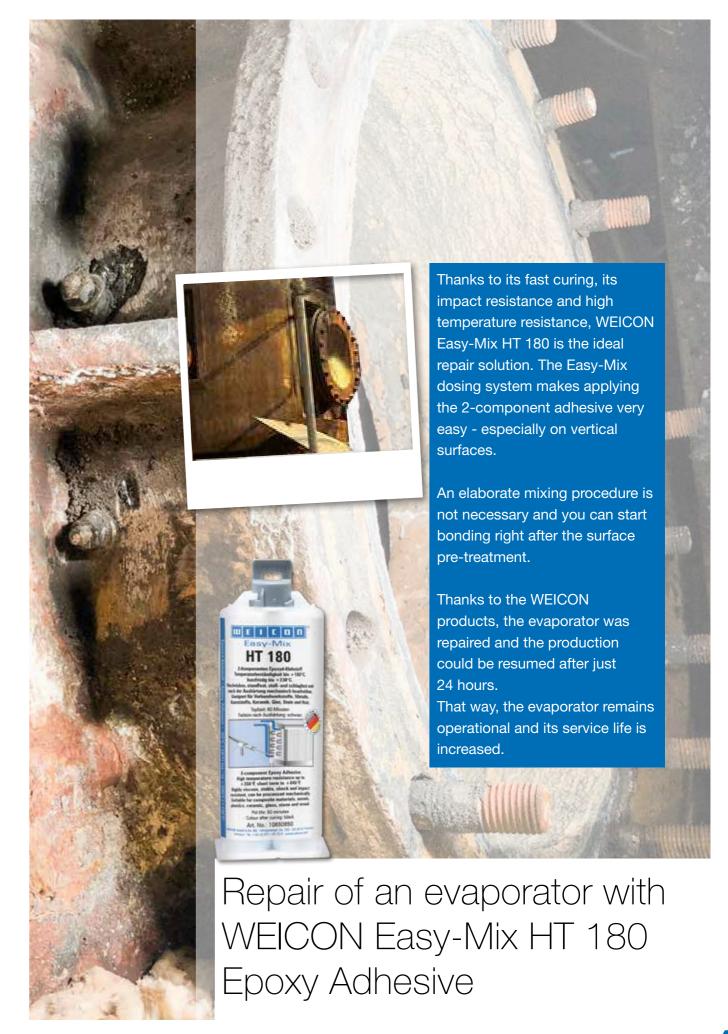
This makes it an excellent permanent solution.

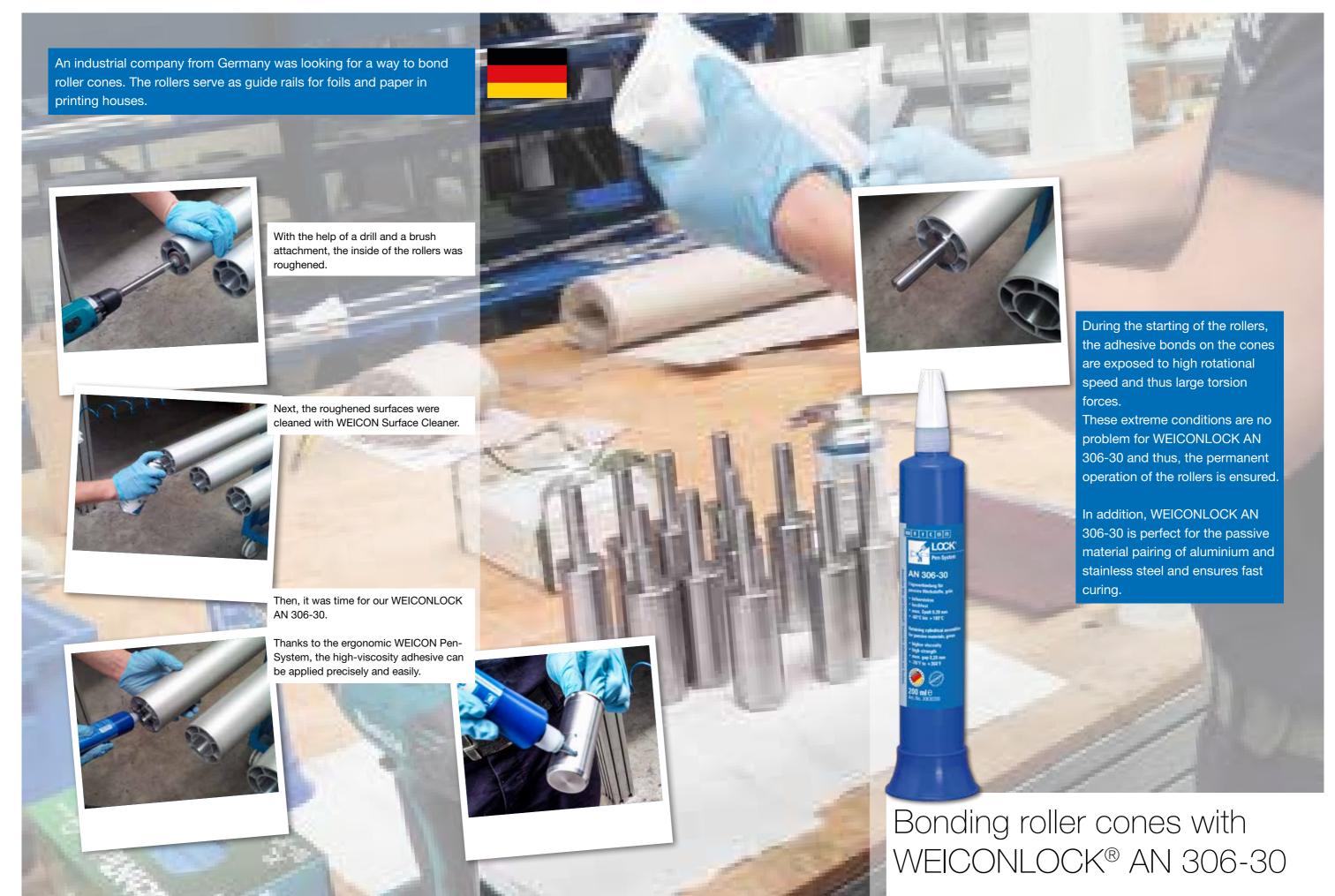


Bonding a door locking system with WEICON Easy-Mix PE-PP 45











Do you need help with finding the right adhesive? Or do you need support for a specific application? We are happy to help! Feel free to send us your questions, photos or videos - we are now on WhatsApp, too!



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We look forward to your applications in 2020!

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