

WERTAL



Engineered in Germany

*Perfection through Innovation*



**Engineered in Germany**

# ABOUT US

As Wertal with our portfolio of adhesives, lubricants, cleaners, maintenance and repair products, industrial and automotive products and our broad network of dealership network, we deliver service to a wide range of industry.

Our aim is to support the operations of our customers by making them more competitive in both actual and potential markets with reduced costs through our reasonable prices which are based on the advantage of our process perfection and sustainability.

Wertal delivers its precious partners swift and trustworthy service with its wide hands-on experience in industry and R&D and engineering studies in Germany.

Wertal has defined competency, professional development and happiness of its employees, market competitiveness and satisfaction of its customers,

becoming a leading company in the line of its business, its continuous improvement to realize provision of quality and efficient service within social and environmental awareness as vision.

With high quality products and developed organizational network we aim to increase the competitiveness of our business partners globally by providing them high quality products and worldwide application oriented and prompt services.

We have determined supporting our business partners in the framework of the vision of accomplishing our sustainable and organizational targets with our policy of continuous improvement in following and contributing to worldwide advancements, with our staff and management team aware of environmental and social responsibilities as our mission.



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## INSTANT ADHESIVES

These adhesives which are programmed for an adhesion within 10 seconds, have a temperature resistance between  $-60^{\circ}\text{C}$  and  $+80^{\circ}\text{C}$ .

Instant adhesives which are cured by surface moisture provides fast and strong adhesion especially

on metal, plastic, rubber, most wooden and ceramic surfaces.

Thanks to the mentioned properties instant adhesives are often applied in both manufacturing processes and maintenance and repair applications.

### W01

Ideal for very fast adhesion of metal, plastic, rubber, and EPDM surfaces. Provides very strong adhesion without requiring an activator. Transparent. Leaves no traces. Does not contain solvent.

### W06

Ideal for very fast adhesion of plastic, rubber, EPDM, and metal surfaces. Provides very strong adhesion without requiring an activator. Transparent. Leaves no traces.

### W54

Jelly-like formed instant adhesive. Initial adhesion time is 30 seconds on average. Ideal for the adhesion of metal, plastic, rubber, and EPDM surfaces. Especially used for joining porous material and vertical applications. Provides very strong adhesion without requiring an activator. Transparent. Leaves no traces.

### W80

Black-colored and flexible instant adhesive. Especially used for joining metal, plastic and rubber. Has a temperature resistance between  $-50^{\circ}\text{C}$  and  $+120^{\circ}\text{C}$ . Initial adhesion time is 20 seconds on average.

## WERTAL SCHNELL-MAX PRODUCT CLASS

Two-component and gap filling instant adhesives. Used for joining surfaces such as metal, plastic, PVC, ABS, PC, PBT, rubber, wooden, paper, paperboard, leather and fabric.





## INSTANT ADHESIVES

Application	Product	Curing Time (seconds)	Gap Filling (mm)	Temperature Resistance (°C)	Package Type	Article Nr.
Universal	W01	2-10	0,07	-60 - + 80	3g,20g,50g,500g	W101HYU
Metal/Plastic/Rubber	W06	2-10	0,05	-50 - + 80	3g,20g,50g,500g	W106HYP
Universal	W54	5-60	0,50	-60 - + 80	3g,20g	W104HYJ
Metal/Plastic/Rubber	W80	5-40	0,10	-50 - + 120	20g,50g,500g	W180HYS

## WERTAL SCHNELL-MAX PRODUCT CLASS



Application	Product	Curing Time (Seconds)	Processing Time (minutes)	Gap Filling (mm)	Temperature Resistance (°C)	Package Type	Article Nr.
Universal	CA-MAX-PRO	20-80	3	6	-40 - + 80	10g,50g	W100CMP
Universal	CA-MAX-FLEX	45-180	5	6	-40 - + 80	10g,50g	W100CMF
Universal	CA-MAX-ZEIT	30-60	35	6	-40 - + 80	10g,50g	W100CMZ

# ADHESIVES

## ANAEROBIC ADHESIVES

Anaerobic adhesives are applied on metal connections for the joining of screw, pipe, gearing, and retaining and surface bonding. They are well resistant to vibration and temperature.

Anaerobic adhesives cure in airless medium with the presence of metal contact. They are divided into different classes depending on the disassembling purposes. They are used in both mass production and repair works.

## THREADLOCKERS

### W22 (LOW STRENGTH)

Used on all types of screw and bolt connections, when easy disassembling is desired.

### W43 (MEDIUM STRENGTH)

Used on all types of metal screw and bolt connections exposed to vibration. Can be disassembled with hand tools.

### W70 (HIGH STRENGTH)

Used on all types of metal screw and bolt connections, where disassembling is not desired. Delivers full resistance to vibration. Cannot be disassembled with hand tools. Heating of the application area is required for disassembling (150°C and more).



### W72 (HIGH STRENGTH)

Used on all types of metal screw and bolt connections, where disassembling is not desired. Delivers full resistance to vibration. Cannot be disassembled with hand tools. Heating of the application area is required for disassembling (230°C and more).

### W90 (HIGH STRENGTH)

Used on all types of metal screw and bolt connections, where disassembling is not desired. Delivers full resistance to vibration. Takes capillary action, can also fill the gaps on the metal. Cannot be disassembled with hand tools. Heating of the application area is required for disassembling (150°C and more).







## PIPE SEALANTS

### W42 (MEDIUM STRENGTH)

Used on pipe and gear connections of all types of hydraulic and pneumatic systems. Can be disassembled with hand tools.

### W77 (MEDIUM STRENGTH)

A sealing product which can be used on all types of metal gears. Applicable up to M80. Can be disassembled with hand tools.

## BEARING RETAINING COMPOUNDS

### W38 (HIGH STRENGTH)

Used on bearing, shaft, and gearings for the purposes of retaining and clinching. Cannot be disassembled with hand tools. Heating of the application area is required for disassembling (150°C and more).



### W41 (MEDIUM STRENGTH)

Used on bearings, shafts and gears for retaining and bonding. Can be disassembled with hand tools.

## FLANGE SEALANT

### W73 (MEDIUM STRENGTH)

An oil-resistant sealant product for sealing engine covers, block gaps and flanges. Allows gap filling up to 0.30 mm and temperature resistance up to 150°C.

### W18 (MEDIUM STRENGTH)

An oil-resistant sealant product for sealing engine covers, block gaps and flanges. Allows gap filling up to 0.50 mm and temperature resistance up to 150°C.

### W74 (MEDIUM STRENGTH)

An oil-resistant sealant product for sealing engine covers, block gaps and flanges. Allows gap filling up to 0.50 mm and temperature resistance up to 150°C.



### W10 (MEDIUM STRENGTH)

An oil-resistant sealant product for sealing engine covers, block gaps and flanges. Allows gap filling up to 0.50 mm and temperature resistance up to 200°C.

# ADHESIVES

Product	Appearance	Hand-Tight in (minutes)	Functional tightness (hours)	Viscosity at 25°C mPa.s	Gap filling (mm)	Maximum thread	Strength Class DIN 30661	Breakaway Torque (Nm) DIN EN ISO 10964	Shear Strength (N/mm <sup>2</sup> ) DIN 54452	Strain (Nm)	Temperature resistance (°C)	Strength Level	Package Type	Article Nr.
W22	Magenta	15-30	1-3	900-1100	0,2	24	1	4-8	3-5	2-4	-55-+150	Low	10g,50g,250g	W122VSD
W43	Dark Blue	10-20	1-3	2000-7500	0,25	36	2	17-22	9-13	8-12	-55-+150	Medium	10g,50g,250g	W143VSO
W70	Green	10-20	1-3	400-700	0,15	20	3	28-35	15-20	50-65	-55-+150	High	10g,50g,250g	W170VSY
W90	Green	10-20	1-3	70-90	0,07	6	3	15-25	8-12	30-40	-55-+150	High	10g,50g,250g	W190VSY
W72	Red	20-40	3-6	8000-15000	0,3	36	3	20-35	15-25	40-70	-55-+230	High	50g,250g	W172VSY

THREADLOCKER

Product	Appearance	Hand-Tight in (minutes)	Functional tightness (hours)	Viscosity at 25°C mPa.s	Gap filling (mm)	Maximum thread	Strength Class DIN 30661	Breakaway Torque (Nm) DIN EN ISO 10964	Shear Strength (N/mm <sup>2</sup> ) DIN 54452	Strain (Nm)	Temperature resistance (°C)	Strength Level	Package Type	Article Nr.
W42	Brown	10-20	1-3	500-700	0,15	20	2	12-16	8-12	18-24	-55-+150	Medium	10g,50g,250g	W142HPO
W77	Yellow	15-30	1-3	24.000-70.000	0,5	80	2	18-22	6-13	10-14	-55-+150	Medium	50g,250g	W177BDO

PIPE SEALANT

Product	Appearance	Hand-Tight in (minutes)	Functional tightness (hours)	Viscosity at 25°C mPa.s	Gap filling (mm)	Maximum thread	Strength Class DIN 30661	Breakaway Torque (Nm) DIN EN ISO 10964	Shear Strength (N/mm <sup>2</sup> ) DIN 54452	Strain (Nm)	Temperature resistance (°C)	Strength Level	Package Type	Article Nr.
W38	Green	2-5	1-3	1500-2500	0,2	36	3	30-40	25-30	50-70	-55-+150	High	10g,50g,250g	W138RSY
W41	Yellow	10-20	1-3	500-700	0,12	20	2	12-15	8-12	16-22	-55-+150	Medium	10g,50g,250g	W141RSO

RETAINING COMPOUND

Product	Appearance	Hand-Tight in (minutes)	Functional tightness (hours)	Viscosity at 25°C mPa.s	Gap filling (mm)	Maximum thread	Strength Class DIN 30661	Breakaway Torque (Nm) DIN EN ISO 10964	Shear Strength (N/mm <sup>2</sup> ) DIN 54452	Strain (Nm)	Temperature resistance (°C)	Strength Level	Package Type	Article Nr.
W73	Green	20-40	1-3	17.000-50.000	0,30		1		4-6	2-4	-55-+150	Low	50g,250g	W173YCO
W18	Red	10-20	1-3	50.000-250.000	0,50		2		8-13	7-10	-55-+150	Medium	50g,250g	W118YCO
W74	Turuncu	15-30	1-3	30.000-100.000	0,50		2		5-10	5-8	-55-+150	Medium	50g,250g	W174YCO
W10	Red	15-30	3-6	70.000-300.000	0,50		2		5-10	6-8	-55-+200	Medium	50g,250g	W110YCO

FLANGE SEALANT

## TWO-COMPONENT ADHESIVES

Used for very strong bonding of various surfaces. Curing is done by mixing two components: Resin and Activator.

Depending on the application, certain types may be preferred due to the different bonding times. Offer a great gap filling solution.

### FIXIT-ALL

A two-component adhesive designed to bond metals, ceramics, glass, stones and many rigid plastics with high resistance. Delivers fast and high quality performance for both production and maintenance & repair applications.

### FIXIT-POLY

A special two-component and solvent-free adhesive. Bonds very well to hard-to-bond surfaces such as PP, PE, PTFE, POM, silicone or EPDM and provides excellent moisture and environmental resistance.

### FIXIT-TRANS

An impact and vibration resistant two-component product designed for transparent and strong bonding of glass, metal and plastics.

### FIXIT-WARM

Used for bonding of engineering plastics and numerous processed/unprocessed metals such as aluminum, stainless steel, brass and copper. Temperature resistance up to +150°C. Two-component product with resistance in UV and acid/alkaline environments.

### FIXIT-FORT

A product that achieves extremely high endurance in a very short time. Finishing processes such as honing, drilling and thread milling are possible in minutes after application. Used for repairing fractured parts made of plastics (and thermoplastics and thermo-sets), bumpers, bucket seats and roof rack bases.





## TWO-COMPONENT ADHESIVES

Application	Product	Appearance	Curing Time (Hand-tight in minutes)	Gap Filling (mm)	Temperature resistance (°C)	Dyeable	Mixing Ratio	Viscosity	Package Type	Article Nr.
Universal	W-FIXIT-ALL	Yellow/Transparent	15	2	80	Yes	1:1	Medium	25g,50g,400g	W100FIA
PP/PE/PO	W-FIXIT-POLY	White	120	2	80	Yes	10:1	Medium	50g	W100FIP
"Glass, Plastic (PMMA)"	W-FIXIT-TRANS	Transparent	10	2	80	Yes	1:1	Low	25g,50g	W100FIT
Stainless Steel/ Plastic	W-FIXIT-WARM	Black/ White	10	10	150	Yes	10:1	High	50g,400g	W100FIW
Thermoplastics/ Duroplastics	W-FIXIT-FORT	Black	1	5	140	Yes	1:1	High	25g,50g,400g	W100FIF

## UV ADHESIVES

### UW21

Provides very strong adhesion in seconds with UV light. Used in applications where at least one of the surfaces is transparent. The fastest solution for bonding of Glass-Glass, Glass-Metal. Widely used for furniture, souvenirs and crystal material bonding. Single-component adhesive.

## UV ADHESIVES

Application	Product	Appearance	UV Curing (seconds)	Viscosity (20°C) mPa.s	Gap Filling (mm)	Tensile Strength (N/mm <sup>2</sup> ) (ASTMD-2095-69)	Temperature resistance (°C)	Package Type	Article Nr.
Universal	UW21	Transparent	8-15	500-1000	0,03-0,30	10-14	-55 - +120	50g,250g	W100UVS



# AEROSOLS

## BRAKE & CLUTCH CLEANER SPRAY

Has a wide range of applications besides the most common: disc and drum brakes. Removes brake dust, oil and grease from clutch parts and surfaces to be bonded and sealed.

Ideal for dissolving tar, grease, bitumen and other inorganic residues in metalworking and repair stores, shipyards, machine maintenance and auto repair facilities.



**Article Nr.** W201FBS **Packing:** 500 ml

## MULTI-PURPOSE CARE SPRAY

Dissolves the parts stuck by rust and ensures quiet operation for a long period of time. Water and moisture repellent and prevents rusting. Has a lubricating function and protects the applied area from rust and dirt. Penetrates TO surfaces and bonds very strongly to them. The main areas of application include the automotive, marine, electrical and motor industries.

**Article Nr.** W202CAS **Packing:** 200 ml, 400 ml

## INOX SPRAY (OPEN)

It is used to give the surface a metallic appearance after welding and to protect the surface from rust. Shock and scratch resistant.

**Article Nr.** W203ISA **Packing:** 400 ml

## MOLD RELEASE SPRAY

Used as a mold release agent in the plastics sector, especially in polymer products such as polypropylene, polyethylene, neoprene, natural rubber, acrylic, polyurethane, HIPS, Bakelite, nitrile and flurosilicone. Non-flammable.

**Article Nr.** W204KAS **Packing:** 500 ml

## GAS METAL ARC WELDING SPRAY

Prevents slag that forms during the welding process from sticking to the torch and the weld metal. Does not contain flammable substances and is safe to use.

**Article Nr.** W205GKS **Packing:** 400 ml

## CHAIN LUBRICATION SPRAY

Used in chain and sliding mechanisms. Reduces friction and protects against corrosion, helping to extend the life of the system. Also used for internal and external lubrication of door hinges, rails, ball bearings, rings, O-rings, X-rings, wire ropes and all types of dynamic joints. Operates in a temperature range from  $-40^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$ .

**Article Nr.** W206ZYS **Packing:** 400 ml



## HIGH PERFORMANCE LUBRICANT SPRAY

Used in many places where lubrication is required, including at home and in the workplace, especially in industry. Contains special additives that allow rapid penetration and long hold on the surface.

**Article Nr.** W207SGS **Packing:** 400 ml

## V BELT SPRAY

Covers the surface of the belts and reduces friction. Blocks squeaks and other noises in the system. With a special formula that does not contain chlorinated solvents, it does not damage the belt and prolongs its life.

**Article Nr.** W208VKY **Packing:** 400 ml

## ZINC SPRAY

Used for sealing rust-proofing primers, welding and piercing points of metals and for establishing electrical conductivity. Formulated to withstand 400°C.

**Article Nr.** W209ZCS **Packing:** 400 ml

## GUN CLEANER SPRAY

Removes dust and soot accumulated in the gun over time, eliminates moisture and water, protects against rust and corrosion. Extends the period of regular maintenance.

**Article Nr.** W210STS **Packing:** 200 ml

## GASKET REMOVER SPRAY

Allows effortless cleaning of adhesive residues, paints and varnishes, especially on gaskets of flanges and covers in industry, effortlessly and without mechanical damage to the surface. Also ideal for cleaning oils, resins, greases and tar. The Gasket Remover Spray can be used on metal, wood, glass, ceramics, polyethylene and polypropylene. It is not suitable for use in sensitive plastics such as PVC, synthetics, linoleum.

**Article Nr.** W211CSS **Packing:** 500 ml

## RUST REMOVER SPRAY

Used in all places that are stuck or have lost their ability to move due to rust.

After removing rust, it forms a permanent protective layer on the surface and delays the next rust for a much longer time.

**Article Nr.** W212PSS **Packing:** 400 ml



## COPPER ASSEMBLY PASTE

Due to its high copper grease content, it is used in lubrication applications exposed to high temperatures and pressures, as well as for easy assembly and disassembly of these parts. Thanks to its resistance of up to 1000°C, it prevents self-locking and scorching between parts under high load and temperature.

**Article Nr.** W213BMS **Packing:** 400 ml

## LITHIUM WHITE GREASE SPRAY

A special production spray grease that can be applied without interrupting the machine or assembly. Works at high and low temperatures. This grease, which can be used internally and externally in all types of dynamic joints, creates a protective area by providing lubrication and also displaces moisture and water. Does not drip and prevents corrosion.

**Article Nr.** W214LBS **Packing:** 400 ml

# LUBRICANTS AND GREASES



## WER-GREASE LITO EP Series:

Lithium soap thickened EP greases with different NLGI classes. These are multi-purpose greases that provide excellent protection in systems subjected to heavy and vibrating loads, especially bearings and plain bearings in industry.

Article Nr.

W301LS

Packing:

1 kg, 4 kg, 16 kg

## WER-GREASE CSC 462:

EP grease with calcium sulfonate technology. Shows high performance mainly in high temperature, aqueous and corrosive environments and also under heavy load.

Article Nr.

W302SC

Packing:

1 kg, 4 kg, 16 kg

## WER-GREASE MS-PASTE 450:

A multi-purpose assembly paste designed for very high temperatures. Contains a high percentage of graphite and molybdenum disulfide. Significantly reduces frictions up to 450°C. Can be used as a release agent for dry lubrication processes and processes at high temperatures.

Article Nr.

W303MMP

Packing:

1 kg, 4 kg, 16 kg

## WER-GREASE PFPE 2000:

Manufactured with PFPE and PTFE. It has the highest operating temperature among all grease types. Resistant to chemicals, acids, alkalis and solvents. Nonflammable. No toxic properties. Compatible with plastic, rubber and elastomers. For special loads and temperatures, where very high performance of the grease is expected, especially in the cardboard and textile industries.

Article Nr.

W304PFP

Packing:

1 kg

## WER-GREASE PU EM Series:

A grease manufactured with a polyurethane thickener designed for the lubrication of ball and spherical bearings of electric motors.

Article Nr.

W305PU

Packing:

1 kg, 4 kg, 16 kg



## WER-GREASE LITOX HI-SPEED:

A lithium complex soap and a synthetic polyalphaolefin grease specifically designed for high speed bearings. Ideal for plastic and elastomer applications, CNC mirror bearings and fan applications.

Article Nr.

W306YHG

Packing:

1 kg, 4 kg, 16 kg

## WER-GREASE COPPER PASTE:

It is a copper assembly paste that can be used at very high temperatures up to 1100°C. Especially preferred in applications, where conductivity is desired.

Article Nr.

W307BKG

Packing:

1 kg, 4 kg, 16 kg



## WER-GREASE SILICONE GREASE:

High viscosity silicone grease. Provides electrical insulation, is nonflammable and does not drip. A perfect lubricant and release agent for plastic-plastic and metal-plastic application surfaces. Used as a sealing grease in all kinds of valves.

Article Nr.

W308SYG

Packing:

1 kg, 4 kg, 16 kg

## WER-MOLD MOLD RELEASE SIL-FREE 2000

Used as a silicone-free mold release agent, because it adheres to metal even at high temperatures.

Article Nr.

W309KAS

Packing:

30 lt

## WERTAP

Ideal for chipping, tapping, threading, broaching, drilling and reaming all types of the hardest steels. Used in hobbing machines. Extends the lifespan of tool tips.

Article Nr.

W310DAY

Packing:

400 ml, 5 lt, 20 lt



# MAINTENANCE AND REPAIR PRODUCTS

## RTV GASKET MAKER

Used for part assembly and all surface sealing processes. Fills corrosion gaps and provides waterproofness. It is a one-component sealing product with an operation array of  $-60^{\circ}\text{C}$ - $+300^{\circ}\text{C}$  (with a sudden shock temperature tolerance). Resistant to fuels, oils, seawater, gases, corrosive liquids, sunlight, UV light and ozone.

Appearance	Black	Article Nr.	W401SCS	Packaging	80 ml
Appearance	Gray	Article Nr.	W402SCG	Packaging:	80 ml
Appearance	Red	Article Nr.	W403SCK	Packaging:	80 ml



## AUTOMATIC RTV GASKET MAKER

Used for part assembly and all surface sealing processes. Fills corrosion gaps and provides waterproofness. It is a one-component sealing product with an operation array of  $-60^{\circ}\text{C}$ - $+300^{\circ}\text{C}$  (with a sudden shock temperature tolerance). Resistant to fuels, oils, seawater, gases, corrosive liquids, sunlight, UV light and ozone.

Article Nr.	W404SCO	Packing:	200 ml
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## WERTAL METALL-FIXER-WATER

Used for repairing defective holes in metal, wood and plastic, holes in pipes, air vents and all cracks. 20 minutes after mixing the 2 components, mechanical operation can be started. Parts can be sanded, milled, drilled and painted over. It has a temperature tolerance up to  $180^{\circ}\text{C}$  ( $300^{\circ}\text{C}$  for short periods). The cured product has a higher Shore hardness (87) than concrete (60). Used in lathe leveling operations, factories, production maintenance repair departments and metalworking workshops.

Article Nr.	W405MFS	Packing:	56 g
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## WERTAL METALL-FIXER-WOOD

Used for furniture parts, gluing hinges, repairing holes, fixing screws and quick repair of wood. Remains slightly flexible. Used for repairing defective holes in metal, wood and plastic, holes in pipes, air vents and all cracks. 20 minutes after mixing the 2 components, mechanical operation can be started. Parts can be sanded, milled, drilled and painted over. Has a temperature tolerance up to 180°C (300°C for short periods). The cured product has a higher Shore hardness (87) than concrete (60).

<b>Article Nr.</b>	W406MFA	<b>Packing:</b>	56 g
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## WERTAL METALL-BOXER-COPPER

Used for quick repairs of pipes and bends, hot and cold water pipes, copper channels and plates, water tanks and flanges. Used for repairing defective holes in metal, wood and plastic, holes in pipes, air vents and all cracks. 20 minutes after mixing the 2 components, mechanical operation can be started. Parts can be sanded, milled, drilled and painted over. Has a temperature tolerance up to 180°C (300°C for short periods). The cured product has a higher Shore hardness (87) than concrete (60).

<b>Article Nr.</b>	W407MFB	<b>Packing:</b>	56 g
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## WERTAL METALL-FIXER-FLUX

Repairs faulty holes, cracks and broken pitches on metal, wood and plastic. Provides tolerance up to 120°C. A mechanical operation can be performed after 30 minutes. Parts can be sanded, milled, drilled and painted over. Ideal for quick and urgent repairs.

<b>Article Nr.</b>	W408MFF	<b>Packing:</b>	56 g, 115 g
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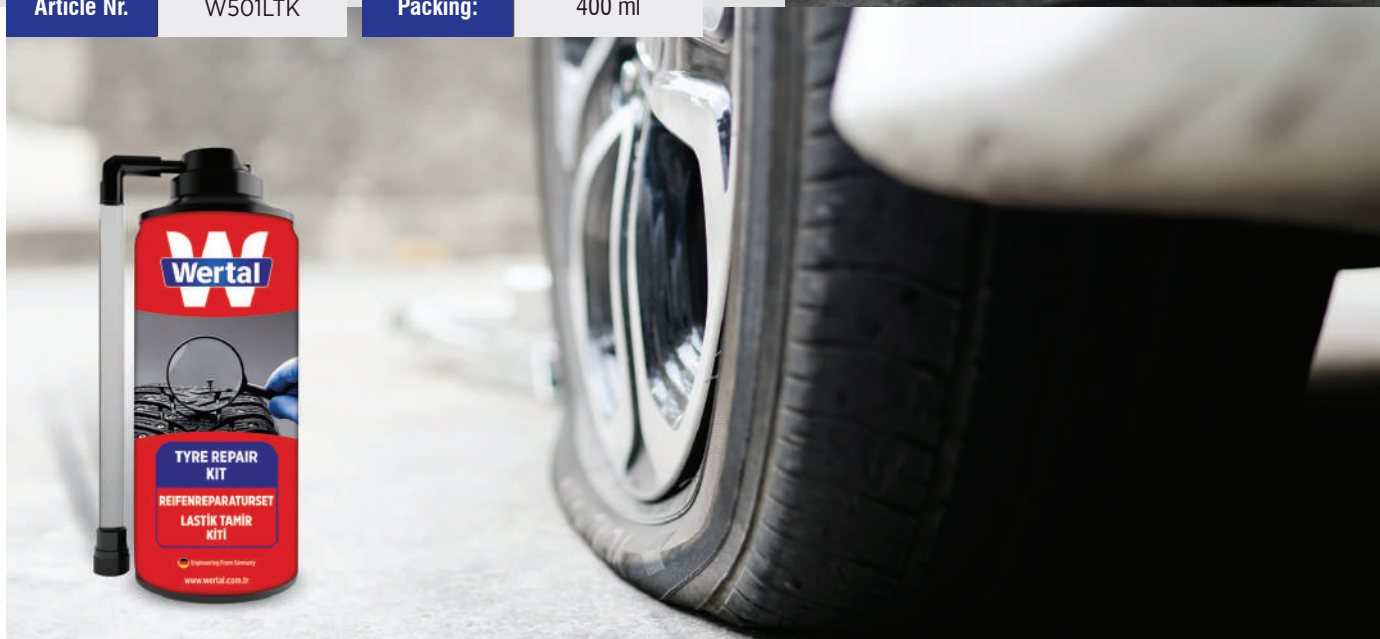
# AUTOMOTIVE PRODUCTS

## TIRE REPAIR KIT

Thanks to its special formula, it rubberizes on contact with air, thus allows the repair of punctured tires without disassembly. An essential product that should always be carried in vehicles such as cars, light commercial vehicles, caravans, motorcycles and bicycles. After repair, the tire can be inflated to 20 psi. Does not harm the tire. Practical, fast and reliable product.



Article Nr.	W501LTK	Packing:	400 ml
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## GASOLINE FUEL ADDITIVE

Increases octane and reduces fuel consumption. It facilitates the operation of the engine in cold weather. It reduces exhaust gases and thus pollution. Can be used for all gasoline-powered vehicles with fuel injection and carburetor.

Article Nr.	W502BKS	Packing:	300 ml
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## DIESEL FUEL ADDITIVE

Removes residues contained in the engine, prevents gelling and freezing of the fuel. Facilitates the operation of the engine in cold weather and saves fuel by making the engine run more efficiently. It reduces exhaust gases and thus pollution. Can be used for all gasoline-powered vehicles with fuel injection and carburetor. Can be used on all diesel-powered turbo, common rail and atmospheric vehicles.

Article Nr.	W503DKS	Packing:	300 ml
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## GASOLINE INJECTOR CLEANER

Removes deposits from the combustion area of the engine with the valve and injection heads. Increases the efficiency of the gasoline spray system. Optimizes the gasoline-air mixture ratio. Improves the working performance of the engine in cold weather conditions.

Article Nr.

W504BET

Packing:

300 ml

## DIESEL INJECTOR CLEANER

Removes deposits from the combustion area of the engine, the valve and injection heads. Increases the efficiency of the diesel spray system. Optimizes the diesel-air mixture ratio. Improves the working performance of the engine in cold weather conditions.

Article Nr.

W505DET

Packing:

300 ml



## RADIATOR CLEANER

Cleans the radiator from oil and dirt. Acid-free. Compatible with rubber and metal parts.

Article Nr.

W506RTS

Packing:

300 ml

## RADIATOR CRACK REMOVER

It is used as an anti-leak agent for holey or cracked cooling and heating radiators of all internal combustion engines. Prevents corrosion.

Article Nr.

W507RTS

Packing:

300 ml



# CLEANING PRODUCTS

## WERSOAP

A product designed for easy cleaning of very heavy oil, carbon, tar, paint, ink and stubborn dirt from hands in industry and workplaces. Thanks to the special particles in its formula, it is effective in removing stubborn dirt. Unlike its competitors, it does not scratch the hands and cares for the skin with its special formula. Creates the feeling of being creamed.

Article Nr.

W601EES

Packing:

3,30 lt







**WERTAL ENDÜSTRİYEL ÜRÜNLER  
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