



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°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°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 ²) 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 ²) 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 ²) 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 ²) 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

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



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°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°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 |
|-------------|---------|----------|--------|

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°C (300°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 |
|-------------|---------|----------|------|



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).

| | | | |
|--------------------|---------|-----------------|------|
| Article Nr. | W406MFA | Packing: | 56 g |
|--------------------|---------|-----------------|------|

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).

| | | | |
|--------------------|---------|-----------------|------|
| Article Nr. | W407MFB | Packing: | 56 g |
|--------------------|---------|-----------------|------|

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.

| | | | |
|--------------------|---------|-----------------|-------------|
| Article Nr. | W408MFF | Packing: | 56 g, 115 g |
|--------------------|---------|-----------------|-------------|



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 |
|-------------|---------|----------|--------|



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 |
|-------------|---------|----------|--------|



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 |
|-------------|---------|----------|--------|

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





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