



SOLDERING MATERIALS, ADDITIONAL PRODUCTS FOR FITTERS



**SOFT-SOLDERING**

LF Nr 3 paste with solder	3
Fluxes (FT; C66)	3
Soft-solder Nr. 3	3

Brazing and Welding

HS paste for brazing	3
HKM powder for brazing and welding	4
Copper-phosphorus alloys (L-CuP6; L-Ag2P; L-Ag5P; L-Ag15P)	4 – 5
Silver brazing alloys (L-Ag34Sn; L-Ag40Sn; L-Ag45Sn)	5
Copper alloys for welding	5

Supporting materials

Non-metallic cleaner	5
Brushes for copper fittings	6
Standard sliding gel, silicone based sliding gel	6
armack paste for thread sealing	6
„Neo-Fermit“ paste for thread sealing	6
„Solar-Fermit“ paste for thread sealing	7
„GEB 2“ paste for thread sealing	7
Flax fiber for thread saling (spool in dispenser, balls / skeins,)	7
Teflon tapes for thread sealing	7
Thread sealing cords	8
Fire-resistant putty	7
Mats and fire protecting specimens; heat-conducting paste T12	9
Technical aerosols: leak detector; threading oil; lubricant; copper and zinc	9 – 10
Polyurethane foam for sealing and assembling	10 – 11
Repair tapes, technical tapes, aluminum tapes	11 – 12
Leak liquidation liquids	12
Torches for soft, hard soldering and brazing; gas containers	13 – 14
Tools for fitters	14



LF NR 3 PASTE FOR SOFT SOLDERING

Paste is a mixture of micrograd powder of Sn97Cu3 alloy according to ISO 9453 and flux according to DIN EN 29454-1 3.1.1.C (F-SW 21), used in conjunction with soft solder Nr. 3 for soldering of copper pipes and fittings in hot and cold drinking water installations as well as in central heating installation with a working temperature up to 110°C. PZH, DVGW approval.

Article nr. 5110097	Box content	100 g
Article nr. 5125097	Box content	250 g

Paste is offered with a inside box brush or added separately.



FT FLUX FOR FITTINGS SOLDIERING

Flux in a pure form according to DIN EN 29454-1 3.1.1.C (F-SW 21) with a PZH, DVGW approval. Especially recommended for soldering of copper pipes and fittings in hot and cold drinking water installations as well as in central heating installation with a working temperature up to 110°C. The flux is completely soluble in water and leaches out during the rinsing of the installation.

Article nr. 1062522	Box content	100 g
---------------------	-------------	-------



Flux C66 in gel

Strongly active agent according to DIN EN 29454-1 3.1.1.A (F-SW 12), used for soldering soft metal sheets and pipes made of copper (c.o.), brass, steel and zinc. The low surface tension of the flux ensures good solder flow, which allows soldering in hard to reach places. PZH approval.

Artykuł nr. 1010012	Box content	125 g
Artykuł nr. 1035012	Box content	500 g



SOFT SOLDER NR. 3

Sn97Cu3 according to ISO 9453, used for soldering of copper pipes and fittings in hot and cold drinking water installations according to DVGW – worksheet GW 2 i GW 7 as well as in central heating installation with a working temperature up to 110°C. Melting range: 230°C - 250°C. PZH approval.

Article nr. 6642097	diameter: 2,0 mm	spool 250 g
Article nr. 6632097	diameter: 2,0 mm	spool 100 g
Article nr. 6642597	diameter: 2,5 mm	spool 250 g
Article nr. 6632597	diameter: 2,5 mm	spool 100 g
Article nr. 6643097	diameter: 3,0 mm	spool 250 g
Article nr. 6633097	diameter: 3,0 mm	spool 100 g



HS PASTE FOR SILVER BASED ALLOYS and COPPER PHOSPHORUS ALLOYS

Flux according to DIN EN 1045-FH10 (F-SH1), intended for brazing copper, brass, bronze, steel and stainless steel. Used in soldering of installations of copper pipes for drinking water, gas, c.o. and oil. Temperature range: 550°C - 800°C. PZH, DVGW approval.

Article nr. 7010001	Box content	100 g
Article nr. 7050001	Box content	500 g
Article nr. 7100001	Box content	1000 g





HKM POWDER FOR BRAZING AND WELDING

Pink color flux for universal usage in accordance with DIN EN 1045-FH20 (F-SH2). Used for brazing and welding of copper, brass, iron and steel. Temperature range: 700°C - 1000°C. PZH approval.

Article nr. 7010002	Box content	100 g
Article nr. 7050002	Box content	500 g



ALLOY 94

Alloy in accordance to ISO 17672 CuP 179 (L-CuP6), melting range 710 - 880°C, working temperature 760°C, used for brazing copper with copper without using flux. It is usually used for soldering copper fittings used in hot and cold water installations as well as central heating installations. The solder contains no iron and nickel, thanks to which it is used in the electrotechnical industry in devices where the working temperature does not exceed 200°C. PZH approval.

Article nr. 7094613	2,0 x 500 mm and 2 x 2 mm
----------------------------	----------------------------------



ALLOY AS2

Alloy in accordance to ISO 17672 CuP 279 (L-Ag2P), melting range 650 - 810 ° C, working temperature 740 ° C. It contains 2% silver. Used for brazing copper with copper (without the use of a flux), in other cases use with HS paste. Permitted for: cold and hot water, oil, liquid gas, urban and earth gas, and those transmitting fluorinated chlorocarbons installations. It can be used to connect copper pipes with copper, brass and tin-zinc bronze fittings. Do not use for soldering steel and nickel-containing alloys. Also used in refrigeration technology (up to 200°C working temperature) as well as in the electrotechnical industry. PZH approval.

Article nr. 7094603	2,0 x 500 mm or 2 x 2 mm
----------------------------	---------------------------------



ALLOY AS5

Alloy in accordance to ISO 17672 CuP 281 (L-Ag5P), melting range 650 - 810°C, working temperature 710°C. It contains 5% silver. Used for brazing copper with copper (without the use of a flux), in other cases use with HS paste. Permitted for: cold and hot water, oil, liquid gas, urban and earth gas, and those transmitting fluorinated chlorocarbons installations. It can be used to connect copper pipes with copper, brass and tin-zinc bronze fittings. Do not use for soldering steel and nickel-containing alloys. Also used in refrigeration technology (up to 200°C working temperature) as well as in the electrotechnical industry. PZH approval.

Article nr. 7094622	2,0 x 500 mm or 2 x 2 mm
----------------------------	---------------------------------



ALLOY AS15

Alloy in accordance to ISO 17672 CuP 284 (L-Ag15P), melting range 645 - 800°C, working temperature 700°C. It contains 15% silver. Used for brazing copper with copper (without the use of a flux), in other cases use with HS paste. Permitted for: cold and hot water, oil, liquid gas, urban and earth gas, and those transmitting fluorinated chlorocarbons installations. It can be used to connect copper pipes with copper, brass and tin-zinc bronze fittings. Do not use for soldering steel and nickel-containing alloys. Also used in refrigeration technology (up to 200°C working temperature) as well as in the electrotechnical industry. PZH approval.

Article nr. 7094622	2,0 x 500 mm or 2 x 2 mm
----------------------------	---------------------------------





ALLOY AS34/34U

Alloy in accordance to ISO 17672 Ag134 (L-Ag34Sn), melting range 630 – 730°C, working temperature 710°C. Suitable for soldering steel and copper materials with steel, copper, brass and tin-zinc bronze materials. Permitted for: cold and hot water, oil, liquid gas, urban and earth gas, and those transmitting fluorinated chlorocarbons installations. PZH approval.

Article nr. 7094605 2,0 x 500 mm
Article nr. 7094605u 2,0 x 500 mm (coated)



ALLOY AS40/40U

Alloy in accordance to ISO 17672 Ag140 (L-Ag40Sn), melting range 650 – 710°C, working temperature 690°C. Recommended for brazing hard steel, stainless steel, nickel and its alloys, copper and its alloys and the interconnection of these materials. Also used in the food industry where high corrosion resistance is required, as well as for soldering chillers, distillation installations and household appliances. PZH approval.

Article nr. 7094623 2,0 x 500 mm
Article nr. 7094623u 2,0 x 500 mm (coated)



ALLOY AS45/45U

Alloy in accordance ISO 17672 Ag145 (L-Ag45Sn), melting range 640 – 680°C, working temperature 670°C. Intended for soldering steel and copper materials and joining together mentioned materials. Permitted for: cold and hot water, oil, liquid gas, urban and earth gas, and those transmitting fluorinated chlorocarbons installations. PZH approval.

Article nr. 7094609 2,0 x 500 mm
Article nr. 7094609u 2,0 x 500 mm (coated)



Standard diameters of brazing rods: 1,5; 2,0; 2,5 i 3,0 mm

COPPER WIRE FOR GAS WELDING

Copper wire rods designed for acetylene-oxygen welding of low-carbon and low-alloy steel with a yield strength up to 300 Mpa. The wire meets the requirements of: PN-88 / M-69420 SPG1; PN-EN 12536 OI; SFA / AWS A 5.2 R45. The wire is available in diameters of 2.5 mm and 3.25 mm



NON-METALLIC CLEANERS

Cleaner for quick cleaning of the surfaces of objects to be soldered without leaving scratches. The removal of burrs and scratches prevents damage caused by corrosion in the future. Cleaners are resistant to solvents, they can also remove greasy dirt. Dirty cleaners can be cleaned by shaking or rinsing and can be re-used.

Article nr. 4012560 60 x 130 mm - the package contains 10 sheets





BRUSHES FOR PIPE FITTINGS

Brushes for cleaning the inner surface of copper pipes and fittings.

Article nr. 4400012	Brush - diam. 12 mm
Article nr. 4400015	Brush - diam. 15 mm
Article nr. 4400018	Brush - diam. 18 mm
Article nr. 4400022	Brush - diam. 22 mm
Article nr. 4400028	Brush - diam. 28 mm
Article nr. 4400035	Brush - diam. 35 mm



SLIDING GEL

The agent for plastic pipe connections and other materials. Main features: excellent sliding properties, free of alkalis and acids, non-invasive to the skin, biologically reduced, resistant to -5°C. It has PZH certificate, it can be used for drinking water installations.



Article nr. 4002150	Tube content	150 g
Article nr. 4002250	Tube content	250 g
Article nr. 4750000	Box content	500 g
Article nr. 4002501	Bucket content	1.000 g

SILICONE BASED SLIDING GEL

A lubricant in the form of a white, odorless cream used for all pipe connections made of plastic and other materials. Main features: excellent slip properties, good adhesion, free of alkalis and acids, non-invasive to the skin, bio-reduced, temperature-resistant -15°C. Product facilitates the assembly and disassembly of the muff, protects the rubber seals against aging. It has PZH certificate, it can be used for drinking water installations.



Article nr. 4725001	Box content	250 g
Article nr. 4750001	Box content	500 g

THREAD SEALING PASTE „armack”

Universal thread sealing paste in combination with flax. It is used in hot and cold drinking water, gas and central heating installations. It consists of oil mixtures and fillers. The product does not contain solvents and dangerous substances, and the fillers used are free of asbestos. PZH and INiG approval..

Article nr. 4003075	Tube content	75 g
Article nr. 4003150	Box content	150 g
Article nr. 4003200	Tube content	200 g
Article nr. 4003300	Box content	300 g
Article nr. 4003500	Box content	500 g
Article nr. 4003200Z	Set – tube 200 g + flax 100 g	



THREAD SEALING PASTE "Neo-Fermit"

The universal Neo-Fermit paste is used to seal metal pipe threads in conjunction with flax. Used in hot and cold drinking water, gas and central heating installations. The thread wrapped with flax should be covered with a layer of paste and screwed tight, the joint obtained in this way can work in the network immediately. The paste additionally seals the connector and allows it to be easily unscrewed even after a long time. DVGW approval.



Article nr. 4001090	Tube content	90 g
Article nr. 4001150	Tube content	150 g
Article nr. 4001325	Tube content	325 g
Article nr. 4001401	Can content	450 g
Article nr. 4001800	Can content	800 g



THREAD SEALING PASTE „Solar-Fermit”

Sealing paste for special use in solar technology. It is used for sealing metal pipe threads in combination with flax in solar installations operating at pressures up to 15 bar and temperature up to 160°C. Glycol-resistant paste allows easy unscrewing of the connector even after a longer time. The paste can not be used for sealing gas installations and drinking water.

Article nr. 4001250 Can content 250 g



THREAD SEALING PASTE GEB 2

The Gebatout 2 universal paste is used to seal metallic pipe threads in conjunction with flax. The paste is used in hot and cold drinking water, gas and central heating installations. The thread wrapped with flax should be covered with a layer of paste and screwed tight, the joint obtained in this way can work in the network immediately. The paste additionally seals the connector and allows it to be easily unscrewed even after a long time. PZH and INiG approval.

Maximum temperature resistance [°C]: 135 for all metals and liquids

Pressure resistance: 200 bar

Compliant with the PN-EN 751-2 standard



SPOOL WITH FLAX

Spool with FLAX in a plastic dispenser. Hemp for thread sealing in combination with **armack** paste, Neo-Fermit, GEB or Solar-Fermit.

Article nr. 4005220 Spool content 80 g



BALL OF FLAX

A ball wrapped in heat-shrinkable foil. The flax used for thread sealing in combination with armack paste, Neo-Fermit, GEB or Solar-Fermit.

Article nr. 4005100 Ball weight 100 g



PACKAGED FLAX SKEINS

Flax skeins of 100, 200, 500 and 1,000 g. Flax used for thread sealing in combination with armack, Neo-Fermit, GEB or Solar-Fermit universal paste.



TEFLON TAPES

Teflon tapes for sealing threaded joints in metal and plastic installations.

Article no. 4011210 (for gas)
Width: 12 mm, Length: 12 m, Thickness: 0.10 mm

Article no. 4011208 (for water)
Width: 12 mm, Length: 12 m, Thickness: 0.08 mm

Article no. 4011301 (PROFESSIONAL - for threads above 3/4 ")
Width: 19 mm, Length: 15 m, Thickness: 0.20 mm





PIPE SEALING CORD LOCTITE 55

Synthetic cord impregnated with a sealing agent. It can be safely used in contact with drinking water (hot and cold), sewage, gas, compressed air and industrial oils. Used in places where tapes, flax and pastes have been used until now. The cord is used for sealing threaded joints, both metal and plastic.

Article nr. 4005055	Package content	50 m
Article nr. 4010055	Package content	160 m



TEFLON CORD FOR PIPE SEALING TWINEFLON

The thread is made of 100% PTFE. Completely resistant to aggressive chemicals, solvents, fuels and acids. Stable in the temperature range from -200°C to + 240°C. Non-flammable, resistant to surface deterioration, oxidation, crushing, development of fungi and bacteria. After winding the thread on the thread, apply 2-3 drops of lubricant from the adapter, which is located at the bottom of the dispenser and spread it over the thread. This measure is non-aggressive and biodegradable. After the installation has been twisted, we have the option of adjusting to 45°. Recommended for water and gas, oxygen, steam and solar installations as well as in flow installations of gasoline, petroleum products, propane, butane, benzene, kerosene and natural gas.

Article nr. 4015056	Package content	175 m
---------------------	-----------------	-------



FIREPROOF PUTTY "Froschmarke"

The putty is used for the assembly and sealing of boilers and heating apparatus, industrial and kitchen furnaces, fireproof doors, etc. The putty is applied with a spatula. Sealed spaces can be immediately exposed for direct contact with fire. Thermal strength up to 1.000°C. The can should be stored well closed, hardened putty can be made more flexible by adding a small amount of water.

Article nr. 4007250	Can content	250 g
Article nr. 4007500	Can content	500 g
Article nr. 4007001	Can content	1.000 g



THERMOSTOP GEL

Non-toxic, colorless gel absorbing heat, protecting against damage, discoloration, distortion, cracking, formation of bubbles and bending of valves, fittings and other materials not resistant to high temperature that arises during soft and hard soldering and welding. The effectiveness of the preparation depends on the thickness of the gel layer which will be applied to the protected elements and the intensity of the heat source. The preparation does not flow from the protected elements. The gel can be used on all materials (metal parts, plastic parts, copper, wood, paper, glass, concrete, stone), which after finishing work can be washed with water.

Article nr. 4005001	Container content 1.000 ml
---------------------	----------------------------



FIREPROOF PASTE TYPE „F”

A paste that is well-modeled just with hands. Particularly useful for soldering and welding pipe installations. Protects all sensitive materials up to 3.000 ° C. It blocks the heat flow to the material being protected.

Article nr. 4300100	Container content 1 kg
---------------------	------------------------



FIREPROOF MATS

The mats serve as a protective underlay during welding or soldering. Protection up to 3.000°C. They block the flow of heat to the material being protected.



HEAT CONDUCTIVE PASTE T12

Paste T12 serves as a heat conducting filler between the semiconductor contacts with cooling elements. It has a white color and is chemically neutral, does not dry out and does not harden, retains its consistency at both low and high temperatures (from -30°C to 200°C).



Article nr. 8000512	Tube content	5 g
Article nr. 8003513	Tube content	35 g
Article nr. 8010014	Tube content	100 g

LEAK DETECTOR IN AEROSOL

Environmentally friendly product in accordance with DIN-DVGW. This product is used to detect leaks: pipelines and hoses, welded and soldered connections, devices for combustible gas, refrigeration equipment, braking system, cylinders and containers with technical and medical gases, screw connections, valves, etc. The detector does not create dangerous compounds with propane, butane, acetylene, oxygen, natural gas and city gas, and CO₂, N₂O, nitrogen and hydrogen fluoride. The product is non-flammable, anti-corrosive, does not interact with the skin. PZH approval.



Article nr. 4000400	Container content	400 ml
---------------------	-------------------	--------

THREAD CUTTING FLUID IN AEROSOL

The product is intended to improve the machining of steel, non-ferrous and light metals. It is a chlorine-free and silicone-free product for spraying cutting tools before or during machining (mainly threading, drilling). Extends the life of the dies blade and improves the quality of the machined surface. Facilitates the making of clean threads. Prevents the phenomenon of buildup. The machined surface protects against corrosion. It does not give off an unpleasant odor during metalworking. Insoluble in water. Safe for the user. PZH approval.



Article nr. 4018400	Container content	400 ml
---------------------	-------------------	--------

LUBRICANT based on silicone oil in aerosol

Lubricant spray in the form of a colorless, odorless oil used for all pipe connections made of plastic and other materials. Facilitates the assembly and disassembly of plastic pipes and muffers. The product forms a thin lubricating coating on the surface, where it will be applied. The main features of the product are excellent slip properties, good adhesion to plastics, rubber, wood and metal. It is free of alkalis and acids and it is not invasive for the skin. Very good separating agent, reduces friction, increases slippage. Properly selected ingredients make the preparation protect rubber seals against aging. Additionally, it can be used for cleaning and maintenance of rubber and plastic elements. Resistant to temperatures from - 50°C to + 230°C.



Article nr. 4015400	Container content	400 ml
---------------------	-------------------	--------



COOPER IN AEROSOL

A quick-drying product, made of micro-grained copper powder (not a paint), resistant to weather conditions and subject to natural oxidation. It adheres reliably and quickly to all materials and durable surfaces. The filler in the form of acrylic resin gives the laid coating flexibility and resistance to cracking. PZH approval. APPLICATION: all decorative coatings for covering window sills, welds and damaged places on copper sheets, gutters and pipelines. For securing outdoor luminaires, letter boxes and protection against high frequency beams.

Article nr. 4004400 Container content 400 ml



ZINK IN AEROSOL

Quick-drying, anti-corrosive product characterized by adhesion to all metals, as well as resistance to salt, water and temperature up to 500°C. The content of 95% pure zinc gives the base material a feature of cathodic corrosion protection, and an additional protection is 5% of the resin. A protective coating with a thickness of 30 microns of zinc is already obtained by brief spraying. PZH approval. APPLICATION: repair of damaged galvanized surfaces, coating of welds, maintenance of car parts, pipelines and as a primer for paint. It protects machines and devices exposed to changing weather conditions from corrosion.

Article nr. 4006400 – zink bright Container content 400 ml
 Article nr. 4002400 – zink neutral Container content 400 ml



POLYURETHANE SEALANT (pistol and hose)

Polyurethane Foam for general purpose applications in mounting, filling, sealing insulating and soundproofing in concrete, plaster, brick, floorboard, most plastics, metal, glass or wood. It offers good expansion yield, no sagging, and using Ozone Friendly Propellant (CFC Free). It is mouldproof, water and ageing resistant, and provides good thermal and acoustic insulation.

Features:

- low pressure.
- easy to use, the best product for internal and external use under normal conditions.
- working temperature of the can from + 10 ° C to + 25 ° C,
- ambient temperature from + 5 ° C to + 30 ° C, best results at + 20 ° C,
- drying time 30 minutes (30 mm width).

Application:

- fastening of window and door joinery made of wood, PVC and aluminum,
- filling and insulation of cable and pipe penetrations,
- sealing of roof, wall and ceiling connectors,
- insulation of c.o. and plumbing,
- soundproofing and sealing of partition walls,
- joining and sealing prefabricated wooden elements in framework constructions,
- seals in cooling systems,
- thermal insulation of roofs and flat roofs





UNIVERSAL DUCT TAPE

DUCT tape is a textile one-sided adhesive tape with increased strength and a wide range of applications. It is characterized by high resistance to weather conditions, aging, humidity and temperature. Adheres perfectly to the glued surfaces. As the adhesive layer, a special adhesive with a unique adhesive power was used, ensuring very high and permanent adhesion to almost all substrates. Glue does not cause corrosion. The tape has very good sealing properties, it is strong, flexible and very easy to use.

APPLICATION: sealing of ventilation pipes and ducts made of metal and plastics; sealing of spiro flexible pipes; fixing and protection of air conditioning and ventilation ducts; combining mineral wool insulation and PE foam; fixing of insulation on pipelines; marking pipeline routes; bonding and fixing various objects; various types of quick repairs. The tape is available in the following colors: gray, red, white, black and blue.

Article nr. 1014845	Width: 48 mm	Length: 45 m
Article nr. 1014825	Width: 48 mm	Length: 25 m
Article nr. 1014825	Width: 48 mm	Length: 10 m
Article nr. 1014845R	Width: 48 mm	Length: 45 m
Article nr. 1014825R	Width: 48 mm	Length: 25 m
Article nr. 1014825R	Width: 48 mm	Length: 10 m
Article nr. 2114845N	Width: 48 mm	Length: 45 m
Article nr. 2114825N	Width: 48 mm	Length: 25 m
Article nr. 2114810N	Width: 48 mm	Length: 10 m
Article nr. 1014845B	Width: 48 mm	Length: 45 m
Article nr. 1014845W	Width: 48 mm	Length: 45 m



LOCALIZATION - WARNING TAPES

Universal warning and locating tapes with imprint NOTES: WATERWORKS; GAS and SEWAGE. The steel insert allows you to additionally locate the course of the pipeline without carrying out earthworks.

ALUMINIUM TAPE - SMOOTH

Aluminum tape is a one-sided adhesive tape with a wide range of applications. It is characterized by high resistance to weather conditions, aging, humidity and temperature. Adheres perfectly to the glued surfaces. The tape has very good properties, it is strong, flexible and very easy to use. Ideally masks and seals, and the adhesive used is very durable. It is resistant to ultraviolet radiation, tight to steam and moisture. The use of siliconized paper as the adhesive separating layer allows simple and quick detachment of a piece of tape from the roll.

APPLICATION: sticking aluminum and vapor barrier foils; fixing thermal insulation lagging on pipelines; sealing of flexible pipes and spiro pipes; sealing of ventilation, air conditioning and heating systems; combining mineral wool insulation and PE foam; gluing and fixing various objects; various types of quick repairs.

Article nr. 1034845	Width: 48 mm	Length: 45 m
Article nr. 1039645	Width: 96 mm	Length: 45 m

ALUMINIUM TAPE – REINFORCED

Reinforced aluminum tape is a one-sided adhesive tape with increased durability and a wide range of applications. The reinforced aluminum tape with 5 x 5 mm glass fiber mesh has greater mechanical strength compared to a smooth tape. Applied to insulations in bending and branching places, at the joints of materials and segments made of glass or mineral wool, it maintains the continuity of the aluminum protective layer preventing the penetration of moisture into the insulation. It is characterized by high resistance to weather conditions, aging, humidity and temperature. Adheres perfectly to the glued surfaces. It is strong, flexible and very easy to use. Ideally masks and seals, and the used glue is very durable.





APPLICATION: sticking aluminum and vapor barrier foils; steam pipe insulation; sealing of heating, ventilation and air conditioning systems; combining mineral wool insulation and PE foam; bonding and fixing various objects; quick repairs.

Article nr. 1044845	Width: 48 mm	Length: 45 m
Article nr. 1047245	Width: 72 mm	Length: 45 m
Article nr. 1049645	Width: 96 mm	Length: 45 m

ALUMINIUM TAPE – FIREPROOF

Aluminum tape is a one-sided adhesive tape with a wide range of applications. It is characterized by high resistance to weather conditions, aging, humidity and temperature. It has very good properties, it is strong, flexible and very easy to use. Ideally masks and seals, and the glue used is very durable. The tape application experience shows that it is resistant in temperature-stable cycles up to 200°C. Maximum instantaneous temperatures occurring during testing of heating devices do not exceed 350°C. The tape easily adapts to the glued surface. The use of siliconized paper as the adhesive separating layer allows simple and quick detachment of a piece of tape from the roll.

APPLICATION: in gas venting systems from boilers, space heaters, chimney liners and other heating devices; sticking aluminum and vapor barrier foils; fixing thermal insulation lagging on pipelines; sealing of flexible pipes and spiro pipes; sealing of ventilation, air conditioning and heating systems; combining mineral wool insulation and PE foam; fixing various objects; various types of quick repairs.

Article nr. 1034845	Width: 48 mm	Length: 45 m
---------------------	--------------	--------------



HEATING INSTALATION SEALING LIQUID BCG24 i BCG30

Liquids for sealing installations in water losses:

BCG24 up to 30 liters per day;
BCG30 up to 10 liters a day.

Dosing: 1 liter of product for 50-100 L of water. BCG is a self-sealing agent designed for sealing boilers, heating installations, radiators, underfloor heating, etc. The product seals installations made of all commercially available materials (copper, plastics, steel). The sealant in a very simple way eliminates the place of water leakage from the installation. This agent, being in a sealed installation, crystallizes in connection with atmospheric air at the place of the leak. A spontaneous mechanical sealing of the leak occurs. The seal is durable and resistant to aging. The product is resistant to high temperatures and pressure. Before sealing the installation, make sure if there are anticorrosive, antifreeze agents, or salts in the heating system. If so, the system should be emptied and rinsed with water, then re-filled with water and proceeded to seal as instructed. In installations where aluminum elements were used, after successful sealing (after approx. 4 weeks), the system should be emptied, rinsed thoroughly and then refilled with water. The agent should be dosed in a concentration from 1: 100 to 1:50. If necessary, measure the amount of water in the system. There is also another way to control - with the correct dosing the PH indicator of the water solution and sealant should be 10.5 - 11.

BCG 24 Article nr. 4002524	Canister with content	2,5 l
BCG 24 Article nr. 4001024	Bottle content	1,0 l
BCG 30 Article nr. 4002530	Kanister o zawartości	2,5 l
BCG 30 Article nr. 4001030	Bottle content	1,0 l



BCG liquids do not damage pumps and control valves



PROVIDUS TORCH CGA

Providus CGA is a turbo torch with a nozzle for soft and hard soldering. A characteristic feature of the device is the turbo tip giving a high temperature swirl flame. The burner is equipped with a piezoigniter, a trigger lock for continuous operation, a built-in valve that allows you to work in any position. ANTIFLARE. The durable body allows long-term, safe use. Technical data: thread 1", gas consumption 120g / h

EXPRES TORCH 472

EXPRES 472 is a turbo torch with a nozzle for soft and hard soldering. A characteristic feature of the device is the turbo tip giving a high temperature swirl flame. The burner is equipped with a piezoigniter, a trigger lock for continuous operation, a built-in valve that allows you to work in any position. ANTIFLARE. The durable body allows long-term, safe use. Technical data: thread 1", gas consumption 200g / h, power 2.74kW, weight: under 400g The torch can be expanded without using tools with tips: 14 mm or 28 mm

GAS BOTTLE MAP / PRO

The bottle has a large 1" thread matching the VULCAN EXPRESS, PROVIDUS CGA and WORTHINGTON / BERNZOMATIC burners and all others having the same gas collection system. Flame temperature 2.400°C. The 1L bottle contains 400g of gas.

HARD SOLDERING SET EXPRESS 471

The set includes:

- tip to diam. 14 mm (gas consumption 153 g / h, power 2,10 kW),
- tip to diam. 22 mm (gas consumption 200 g / h, power 2.74 kW),
- tip to diam. 28mm (gas consumption 253 g / h, power 3.47 kW),
- 2 MAP Pro gas bottles - 1" thread (same as in Bernzomatic)
- spare piezoigniter,
- spare gas injector for the burner tip with a power of 2.74kW (diameter 22mm),
- suitcase,

Advantages of the burner:

- replacement of endings without the help of keys,
- a built-in valve that allows you to work in ANTIFLARE,
- automatic trigger lock.

LOMAX SET FOR HARD SOLDERING AND WELDING

The set includes:

- torch handle,
- soldering torch with a set of outlets,
- 5 m welding hoses,
- oxygen cylinder (5 dm³),
- propane cylinder (2.4 m³),
- oxygen reducer with manometers,
- bottle rack,
- kit weight - 17.5 kg.

The low-pressure, injector-type torches used in the set are designed for precise and small welding and soldering work. Thanks to the bent socket, easy flame adjustment and ergonomic shape, this torch offers the user a high comfort of work.

The set meets the requirements of the PN-EN ISO 5172 standard "Manual torches for welding, cutting and heating. Requirements and tests".





EXPRESS SOLDERING LAMP + SINGLE USE BOTTLES

A practical and universal soldering lamp powered by disposable containers with propane-butane gas. Ideal for all service work in the field of heating and sanitary installations. It has a cylinder connection centering system with a burner, which prevents gas leakage. It has a very stable and ergonomic handle. After 1.5 minutes from firing, the burner can be rotated in any position without a flare effect. Disposable bottles punctured with a safety valve with propane-butane gas: 80% butane; 20% propane. Capacity 190g



ZENTEN PIPE CUTTERS

CLASIC cutter for copper, brass, light metals and thin-walled steel pipes with a wall thickness of up to \varnothing 1.5 mm. Cutting range \varnothing 3 - 30 mm The cutter features a robust design, ergonomic and non-slip knob. The simple design ensures durability and reliability of the tool.



BASICUT cutter for copper, brass, light metals and thin-walled steel pipes with a wall thickness of up to \varnothing 1.5 mm. Cutting range \varnothing 3 - 35 mm. The cutter features a robust design, ergonomic and non-slip knob. A two-pipe pipe guide system ensures sufficient grip during cutting. The durability of the tool is ensured by a threaded pipe mounted in a steel socket.



PROFICUT cutter for copper, brass, light metals and thin-walled steel pipes with a wall thickness of up to \varnothing 1.5 mm. Cutting range \varnothing 3 - 35 mm The cutter features a robust design, ergonomic and non-slip knob and a grader that can be completely removed from the tool. The four-pipe pipe guide system distinguishes it from the basic version of the cutter - BASICUT. The durability of the tool is ensured by a threaded pipe mounted in a steel socket.



MINICUT cutter for copper, brass, light metals. Cutting range \varnothing 3 - 30 mm. The tool is characterized by solid workmanship, ergonomics and non-slip knob. The durability of the tool is ensured by a threaded pipe mounted in a steel socket.



The trademark of **ZENTEN** products is a tool-free wheel exchange system.

BASICUT and PROFICUT cutters are delivered with a spare cutting wheel.

ZENTEN SHEARS FOR PCV, PP PIPE CUTTING

The **26 mm ZENTEN** shears provide easy, straight and precise cutting. They require a minimum pressure force. Tools equipped with ICS-System which should be read as a tool-free blade change system. The blade of the German company Solingen has been specially designed. The geometry of the stainless steel blade covered with PTFE ensures an easy and precise cut. An automatically released blade simplifies the work of the fitter.



The **42 mm ZENTEN** shears provide easy, straight and precise cutting. They require a minimum pressure force. Tools equipped with ICS-System which should be read as a tool-free blade change system. The blade of the German company Solingen has been specially designed. The geometry of the stainless steel blade covered with PTFE ensures an easy and precise cut. An automatically released blade simplifies the work of the fitter.



UNIVERSAL SHEARS FOR PCV, PP PIPE CUTTING

PEX, PP, PE pipe cutting shears. Quick, clean and efficiently cut pipes up to 42 mm. Durable blade ensures long use. The body is made from a light alloy. Scissors equipped with a ratchet mechanism which greatly simplifies the work.





**Jürgen Armack Sp. z o.o.
St. Rzemieśnicza 14
64-920 Piła**

**Phone: +48 67 212 68 83
+ 48 67 214 04 77**

**info@armack.pl
www.armack.pl**