

## CONSUMABLES / DIE & MOULD LUBRICANTS

### Protective & Maintenance Lubricants



#### ■ Mould Protective Spray

It creates optimal, long term protection layer on the surfaces. It dries quickly. It provides protection against corrosion and rust. It creates long term dry non-aqueous protection layer. It protects as white powder.

##### Usage Area:

It is a sealant product used as long term protector on steel, ceramic, glass and injection moulds, machines and pipe lines.



Order Code:  
**W150170**



Package:  
**400 ml.**



#### ■ Multi-purpose Signum Spray

This spray maintains 5 functions together, it protects the steel against corrosion, it removes rust, greases, cleans the product and prevents the dirt. It is resistant to -30°C / 100°C temperature. It is vanilla scented. Economical product.

##### Usage Area:

It is used to protect and to lubricate the steels in mould industry for short term. It is water repellent. It can be used in the inner parts of CNC system machines easily.



Order Code:  
**W160110**



Package:  
**400 ml.**



#### ■ Mould Release Agent Spray

In injection machines, it helps to release products from mould. KA2000 & KA1000 contains a light duty silicone that is ideal for moulds. Does not contain any Cfc's or Hcfc's. Heat resistant: 250°C.

**KA2000:** Silicone based

**KA1000:** Silicone based, oil-free and non-flammable.



Order Code:  
**KA2000 or KA1000**



Package:  
**400 ml.**



#### ■ Molykote Longterm Grease

It is used for lubricating machine and mould components exposed to low and medium pressures, approaching high-speed limits, in environments where cleanliness is important and there is a risk of water contact and friction-induced rust. Its lack of oxidation tendency makes it suitable for long-term lubrication. The integrated adhesion promoter helps prevent friction-induced corrosion. It is ideal for the molding industry, especially in pin, pillar, bushing, and punch systems.



Order Code:  
**4549**



Package:  
**1 kg.**



#### ■ Multi-purpose Grease

High-performance grease for multi-purpose application in moulds & dies. Ideal for lubricating moving and sliding components (guide pillar, bushes, wear plates etc.) and for servicing machines. It is a specially formulated product with lithium additives. It is resistant against pressure and water. Long-term lubrication. High corrosion and wear protection.



Order Code:  
**W150206**



Package:  
**1 kg.**



#### ■ Powerful Rust Remover Spray

It is a rust remover with superior features and advanced technology. It has very good processing surface to the surface. It loosens the tightened bolts and nuts immediately. It removes rust by entering even the thinnest spaces. Eco-friendly product.

##### Usage Area:

It is used at all kinds of maintenance and repair, cleaning of die & mould equipment, loosening the rusted bolts and surfaces. Also, it is anti corrosive.



Order Code:  
**W160170**



Package:  
**400 ml.**



#### ■ Protective Wax Spray

It protects all steels, machines and equipment against corrosion. It creates a thin wax layer on the surface and the contact of the product with air is cut off. It is resistant to water and salty water vapours. It is an ideal protector at blowing moulds.

##### Usage Area:

It provides protection against corrosion during long term transports of moulds, especially in ship transports. It is also appropriate for long term machine and tool storage.



Order Code:  
**W160106**



Package:  
**400 ml.**



#### ■ Food Grade Lubricant Spray

It is used at machine and equipment making food production or contacting the food. It is tasteless and odourless. It is Food Grade LFGB approved. It is white coloured liquid grease. It is used at moulds related to the food.

##### Usage Area:

It is used at food and bottling machines, milk, mineral water, beer factories and lubricating of various parts of meat, vegetable, fruit and fish.



Order Code:  
**W160105**



Package:  
**400 ml.**



#### ■ Silicon-free Mould Release Agent Spray

In injection machines, it helps to release products from mould. Very good releasing action. Does not contain silicon or acid. Ensures easy releasing by lubricating steel and plastic. Shake well and spray a thin layer of 25-30 cm distance from the mould before use. Heat resistant: 200°C



Order Code:  
**W150154**



Package:  
**400 ml.**



#### ■ WD-40 Multi-use Spray

Proven product in the world. It is used effectively as rust remover, stops squeaks, drives out moisture, cleans, protects, loosens rusted parts and frees sticky mechanisms.

##### Usage Area:

At cleaning and lubricating of ejector pins, guiding components etc. in moulds, long-term precision tool protections and all other operations.

Order Code: **HRD-200ML**

Package: **200 ml.**

Order Code: **HRD-400ML**

Package: **400 ml.**

Order Code: **HRD-5000ML**

Package: **5 Litre**

## Lubricating Greases and Sprays

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Die & Mould Lubricants - Chemicals



### ■ Liquid Grease Spray

It is lubricating material resistant against high pressure. It is resistant to water, 180°C temperature and corrosion, its adhesive feature is very high. It does not flow and drop, it has transparent colour and makes permanent lubricating.

#### Usage Area:

It is long term protective lubricant at moulds, ejector pins, cores and guide pillars. Also, it is used at parts such as chain, apparatus etc. It also can be applied at dies.



Order Code:  
**W160114**



Package:  
**500 ml.**



### ■ Anti-seize Ceramic Grease

It is a mounting paste that does not consist metal and graphite. It is ceramic structured with advanced technology and lubricant providing high efficient on parts resistant to high temperature. It is resistant to -20°C / 1500°C temperature and also 220 N / mm<sup>2</sup> pressure.

#### Usage Area:

It is used at all mould components working under high temperature, metal injection moulds and dies.



Order Code:  
**W160200**



Package:  
**400 ml.**



Order Code:  
**W150200**



Package:  
**1 kg.**



### ■ MOS2 Dry Lubrication System Spray

It is used at places that lubricating with grease is not possible. It decreases friction between metals. It prevents corrosion between different metals. It has very good thermal conductivity. It is resistant against high pressure. It makes dry graphite lubricating.

#### Usage Area:

It prevents the adhesion of product to the mould and vibration during injection at aluminium extrusion and metal injection moulds.



Order Code:  
**W160109**



Package:  
**400 ml.**



### ■ White Lithium Grease Spray

It is waterproof and prevents friction, provides permanent lubricating by penetrating steel quickly. It is resistant to -40°C / 140°C temperature. It provides protection against corrosion. It is white colour and for moulds & dies.

#### Usage Area:

It is used for mould & die maintenance, repair and lubricating purposes in the environment contacting with water. It decreases friction. It is applied at sintered / bronze + graphite wear plates.



Order Code:  
**W160108**



Package:  
**400 ml.**

## Sealing Compounds



### ■ 3243 Threadlocker Medium Strength (removable)

Ideal for screw parts of (6-20 mm) or less in radius that come loose under vibration. Used in fasteners and screws with improved oil resistance, to fix nuts and provide sealing. **Properties:** Threadlockers lubricate the threads for proper installation and torque-stress ratio. Threadlockers reduce the risk of rupture and breakage and provide the required torque resistance. Threadlockers secure and seal the parts against potential corrosion and leaks.



Order Code:  
**HRD-3243**



Package:  
**250 ml.**



### ■ 3270 Threadlocker High Strength (unremovable)

It cannot be removed with any tools. It can be removed by heating if desired. Lock fasteners against vibration and thermal expansion. Seal against corrosion and leakage. Suitable for all shapes of fasteners. High chemical resistance. Excellent performance on greasy surfaces. Can be used in the joining of vibrating machines and moving components.



Order Code:  
**HRD-3270**



Package:  
**250 ml.**



### ■ 3542 Hydraulic Sealant

Ideal for locking and sealing metal pipe joints. The high lubricating properties of this compound prevent galling on stainless steel, aluminum and all other metal pipe threads and fittings.

**Properties:** Properly tightened connections give instant sealing against moderate pressures. For maximum pressure and solvent resistance, allow the product to cure for at least 24 hours after closing the connection. Low viscosity, medium strength.



Order Code:  
**HRD-3542**



Package:  
**250 ml.**



### ■ 3577 Pipe Sealant - Low Viscosity

- Ideal for locking and sealing of threaded metal pipes and fittings.
- Designed for coarse threads. Suitable for stainless steel surfaces without the need of surface activation.
- Ideal to seal against gases, water, LPG, hydrocarbons, oils and other chemicals.
- Excellent thixotropic property prevents migration of the sealant before or during curing.



Order Code:  
**HRD-3577**



Package:  
**50 ml.**

## Industrial Cleaning Sprays



NEW

### ■ Güvenal - General Cleaning Spray

It is a high-performance and cost-effective product from Güvenal. It removes dirt, oil and resin from all metals quickly and without leaving a trace. It especially cleans excellently all dirt and chemicals on the surfaces from surface to downward / outwards with volatile feature at mould polishing / cleaning works.

**Usage Area:** - Mould polishing - Mould cleaning  
- Metal parts of machines



Order Code:  
**GTH1010**



Package:  
**500 ml.**



Order Code:  
**GTH1020**



Package:  
**60 Lt.**



### ■ Universal Bio Cleaning Spray

#### Usage Area:

- In machine cleaning
- Tool and mould parts cleaning in the workshop
- Plastic and upholstery cleaning
- Ideal for external cleaning and maintenance of the machine
- It does not cause staining and dullness
- Food industry-approved, concentrated product
- It provides freshness with lemon essence



Order Code:  
**W1701201**



Package:  
**1 Lt.**

NEW



## High Temperature Ejector Pin Grease

Order Code: **GTH1400**



HIGHLY PRODUCTIVE GÜVENAL PRODUCT

### High temperature lubricating greases for Ejector Pins & Core Systems.

Our special greases are consists well refined mineral oils and EP additives providing lubricity as film strip between other mould parts and mould parts that do not affect from high temperature of ejector systems and core systems in working mould in high temperature such as metal injection. Thanks to solid lubricants and additives, it has comfortable operation (working without load). It has high heat insulation and provides resistance up to 1400°C. It is in film strip position of surfaces between parts. Even at very high temperature, it prevents sticking each other. It is produced from vegetable oils and not harmful to the health.

#### Advantage of using GTH1400 lubricating greases:

- \* It is resistant against oxidization and friction.
- \* It is resistant to corrosion and abrasion.
- \* It is silicium and white (it does not make any contamination on mould).
- \* It is resistant against water and humidity (water proof).
- \* Due to dust atmosphere as casting moulds, the user's hands are not painted black. It is a very good protector.
- \* It does not cause any reaction on surfaces.



**1400°C**  
Temperature  
Durable Product



**Specially  
Developed  
Formula**



Two grades pastes in  
one box / Thick & Thin

Order Code: **ALCON**

Package:  
**100 gr.**

### Valve Grinding Paste (lapping compound)

It gives the best results in the operation of the intake and exhaust valves of the engines, blasting, polishing and polishing works for the highest performance, eliminating and correcting the metal deformations caused by heavy usage conditions on the metal floor.

Thanks to its special formula, it provides reliable, high performance abrasion, correction, leveling, honing, cleaning and polishing. For the best results, it is important to choose the appropriate thickness of sand and it is recommended to first adjust the abrasion-level with thick putty and then smooth-finish-polish with fine putty.



### Metal Adhesive

Metal Adhesive 5 min is a fast curing two component steel-filled (steel alloy that does not rust) epoxy for repairs and quick maintenance work. It can be drilled and reprocessed after fully cured. Extremely strong and adhesion Dispenses equal amounts of each component every time.



Order Code:  
**HRD - 3633**



Package:  
**28 gr.**



### Epoxy Adhesive - Waterproof

Epoxy Adhesive 5 min is a two-part adhesive consisting of an epoxy resin and a hardener. It is mixed in equal volumes, the resin and hardener, resulting a tough, rigid, high strength bond in 5 minutes. It does not shrink. It is resistant to water and the most common solvents. It can be tinted with earth pigments, cement or sand for color matching. It can be sanded and drilled.



Order Code:  
**HRD - 3611**



Package:  
**28 gr.**



### Steel Epoxy Putty

Steel Epoxy Putty is a two-component adhesive. Consists of epoxy resin and hardener.



Order Code:  
**HRD - 3701**



Package:  
**57 gr.**



### Super Glue

It is suitable for steel, metal, plastic, and rubber. Provides adhesion in 8 - 10 seconds. It has medium viscosity.



Order Code:  
**HRD - 502**



Package:  
**20 gr.**



### Hand Cleaner (Greven Soft)

It does not contain any petroleum additives. It is an alkali and solvent-free hand cleaner with dermatologically safe ingredients. The processed fine grainy abrasives in the product, provide cleaning and protection on hand pores thoroughly. It is extremely effective on all dirty, rusty, painted and sticky dirt.

**Caution: Avoid contact with eyes !**



Order Code:  
**HRD-EYS2**



Package:  
**2000 ml.**

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Die & Mould Lubricants - Chemicals





## Engineer's Marking Blue Paste

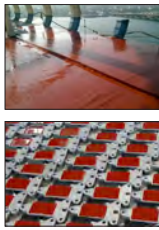
Order Code: **TUSCP**

Blue colour limiting paint in remarkable density and fast drying is used for test surface quality.

Blue oily mix liquid leaves a clear sign on any kind of metal. Tuschierpaste is indicated blue, bright sign on all metal parts that can be seen easily, this is coupled to show transfers and defects from another surface, it is ideal for marking surface. Due to its high cohesion feature, It can be easily transferred from one surface to another one. It can be used by mixing water. It can be cleaned from surfaces easily. Before using, should be shake well and protect from cold.

**Application:** It is applied with a lint-free brush. It is fast-drying and protects the surface against rust. A small amount of product, wide surfaces are applied. It has high coating feature and it is easily wiped and solvent based.

**Package:** 225 g.



## Casting Resin

Order Code: **POLIN**

Our Casting Resin is two component not-solvent, polyurethane based electrical insulation and casting resin.

**Specifications:** Electrical imperviousness and dielectric constant number is high in different terms and various temperatures. It is resistant to abrasion, acid alkaline and other chemical or corrosive materials. It is hardened in low temperatures without any significant volume change. Thanks to catalysts, drying time can be shortened.

**Usage Fields:** It is suitable to complete filling in casting works in die/mould and machine sectors. It can be machining with turning leveling easily. It is used in electric cable industry, casting of head and additional joints, insulating of end fasteners, plunger pump, insulator, transformers and various electrical component productions. In addition, it is used in all kinds of high voltage devices transformers, television broadcast lines, telephone cord fasteners and rollers, to prevent flowing and leading in all kinds of condensers as well as to prevent noise that can be occurred through resonance and vibration in devices such as ballast, regulator.

**Usage:** 2nd component in upper section of box is emptied into main material in large box. Then, it is mixed until obtaining homogeneous mixture. The surface to be applied is decontaminated from oil, dirt, rust and burrs, prepared mixture should be used in 30 - 40 minutes. If all of material is not used, sufficient mixture should be done.

**Package:** 1 kg.



Powder

Liquid

## Cold - Curing Tool Repair Set

Code: **TKLN**

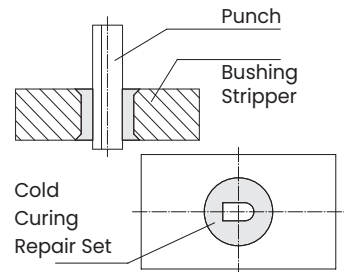
It is self hardening repair acrylic that is used in stripper and bearing plates of the dies, spinning / forming gaps, cancelling of undesired holes as well as used for punch bushing in simple cutting and punching dies. Providing suitability at drilling and levelling processes done on filled surfaces.

**Mixing Ratio:** 5 unit powder - 3.5 unit liquid. Dosing without measuring tank (as per request).

**Mixing:** 30 - 35 seconds (yoghurt consistency). Working Time: At the end of 2 - 2.5 minutes.

**Hardening Time:** In 15 minutes.

**Application:** It should be castable consistency. Specified data are in 23°C room temperature and from the beginning of mixing.



Any oil on the stripper plate should be removed. Use solvent (release agent silicon) to avoid sticking. Place the stripper and the matrix correctly and connect to each other. The correct alignment is important for the operation. Using magnetic 'V' block for this operation guarantees perpendicularity. Or setting shims can be used to ensure the alignment for punch bushing / matrix. Later, the surface finish works are done. The mixture solidifies and spoils if it is kept for too long.

## Mould Marking Paint

Order Code: **KMB or MMB**



Mould marking and exercise paints are sold in 110 ml package. It is quick dried in applied surfaces. After dried, it is not affected from oil, and drawing or exercise processes are continued on applied surfaces. The metal is also resistant to corrosion (it prevents external contact of surface). Attention: Flammable!!

**KMB** (110 ml marking paint - red)

**MMB** (110 ml exercise paint - blue)

Small model

Order Code: **TKLN.100**

100g. Powder & 50 ml. Liquid

Large model

Order Code: **TKLN.500**

500 g. Powder & 250 ml. Liquid