



MetalFlow®

Forming Lubricants

Our technology, your solution

METALFLOW products for metal forming processes are the result of decades of experience in the field of design, development, and manufacturing of technical solutions for the metal industry.

The METALFORM product family is comprised of medium and high-pressure additives specific for each operation that decrease the friction coefficient and ensure a complete lubrication level to guarantee permanent plastic deformation.

Technical solutions with technological character that incorporate the latest advances in forming lubricant formulations for process optimization, helping our clients with their waste management and allowing them to comply with the most demanding environmental standards.




Specific formulas for extrusion, trimming, stamping, punching, and all types of forming operations.

Highlights:

- High power lubricant.
- Meet different environmental and safety standards.
- Less product consumption.
- Cycle times reduction.
- Optimal finish and a high rust-protection level of the piece.



Deep drawing and stamping

 VANISHING LUBRICANTS	Description	Aluminum Alloys	Copper Alloys	Steel	Viscosity cST 40°C (mm²/s)
METALFORM V 104	Vanishing lubricant for stamping operations.	●	●	●	1,4
METALFORM V 128	Non-flammable vanishing solutions*. Recommended for food and beverage packaging production.	●	●	●	1,5
METALFORM V 490	Vanishing lubricant for hard steel cutting.			●	1,4
METALFORM V 115	Vanishing products for all types of deep drawing and stamping operations.	●		●	1,9
 OIL BASED					
METALFORM P 15005	Bleached pure and highly refined oil. Recommended for extremely severe steel deep drawing processes.	●	●	●	150
METALFORM P 08001	Bleached pure and highly refined oil. Specially designed for the production of aluminum caps for perfumery, cosmetics and related products.	●		●	80
 WATER BASED					
METALFORM S 36	Soluble product with cooling and lubricating properties recommended for severe deep drawing processes.			●	20

*According to classification: GHS1.51

Extrusion and rolling

	Description	Aluminum Alloys	Copper Alloys	Steel
METALFORM D 11	Graphite dispersion in water recommended for steel roll bonding and tube forming operations.			●
METALFORM D 54	Boron nitride dispersion in water developed for aluminum forming and extrusion operations.	●		
METALFORM D 61	Powder-based lubricant for aluminum extrusion operations.	●		
METALFORM D 80	Titanium dioxide dispersion. Developed for rolling operations (roll bonding).	●		

HVAC

	Description	Flash point °C	Viscosity cST 40°C (mm²/s)
METALFORM V 232	Non-flammable* and 100% vanishing lubricant for deep drawing of 0-4mm height collars. Compatible with any metal, it guarantees total evacuation of the water present between fins.	> 62	1,467
METALFORM V 245	Non-flammable vanishing lubricant* for deep drawing of 4-10mm height collars. Compatible with any metal, it provides good lubrication in demanding processes and facilitates the evacuation of water between fins.	> 62	1,874
METALFORM V 258	Non-flammable vanishing lubricant*. Especially for deep drawing of collars over 10mm height. Compatible with any metal, it provides excellent lubrication in demanding processes and high protection against oxidation.	> 62	2,808
METALFORM V 401	Mineral lubricant for tube bending. Compatible with any metal and most coolants. Recommended for medium severity operations.	> 180	21
METALFORM V 402	Synthetic lubricant for tube bending. Compatible with any metal and most coolants. Recommended for high severity operations.	> 240	21
METALFORM V 403	100 % vanishing lubricant for tube bending. Compatible with any metal and most coolants. Recommended for medium severity operations. It does not leave any residue on the tube.	> 70	1,8

*According to classification: GHS1.51.

Punching and blanking



	Description	Aluminum Alloys	Copper Alloys	Steel	Viscosity cST 40°C (mm²/s)
METALFORM V 106	Vanishing lubricant for punching operations with die-casted pieces.	●	●		1,4
METALFORM P 30001	Highly refined pure and additivated oil for blanking operations with thick steel.	●		●	320
RECOMMENDED FOR FINE BLANKING OPERATIONS					
METALFORM V 214	Vanishing lubricant recommended blanking operations with fine thickness sheets.	●	●		1,5
METALFORM P 02401	Oil based lubricant for steel and aluminum blanking operations, with fine and medium thicknesses sheets.	●		●	24

Cold heading

	Description	Aluminum Alloys	Copper Alloys	Steel	Viscosity cST 40°C (mm²/s)
METALFORM CH 0801	Technical solution recommended for cold heading operations, low viscosity.	●	●		68
METALFORM CH 1801	Technical solution recommended for cold heading operations, medium viscosity.	●	●		150

Roll forming

	Description	Aluminum Alloys	Copper Alloys	Steel
METALFORM D 70	Solid lubricant dispersion in water recommended for roll forming operations with copper.		●	
METALFORM D 71	Copper pipe protector developed to be applied during the cooling bath after manufacturing.		●	
METALCOOL 312	Lubricant developed for low and medium water hardness. Recommended for ferrous metals.	●		●
METALCOOL 314	Lubricant developed for medium and high-water hardness. Recommended for ferrous metals.	●		●



Technical auxiliary products



Formulations designed for the protection and treatment of the surfaces and pieces related to forming operations. All the products have been formulated to extend the lifetime of the surfaces or parts where they are applied, as well as to prevent premature wear, rusting, corrosion and to facilitate its maintenance, cleaning, manipulation and replacement.

- (P) METALPROT COPPER**
Copper grease for an optimum protection and lubrication of threads and screws. Developed to achieve an easy unscrewing.
- (P) METALPROT 9016**
Aluminized grease for an optimum protection and lubrication of threads and screws. Developed to achieve an easy unscrewing.
- (P) METALPROT 9020**
High temperature grease with refractory pigments for an optimum protection and lubrication of the back side of the die to ensure an easy disassembling when being necessary.
- (L) METALCLEAN 6130**
Daily surface cleaner developed to remove possible excess greases from the die surface.
- (L) METALCLEAN 6000**
Centralised circuit cleaner.
- (L) METALPROT 9040**
Multifunctional lubricant and protector to facilitate the unscrewing of seized and rusted parts and to prevent long-term corrosion.
- (L) METALPROT 9045**
Protects steel dies against corrosion during storage.

P = Paste L = Liquid

Industrial auxiliary products

	Description	Base	Viscosity ISO VG	Viscosity Index
HYDROFLOW HFC	Water-glycol based hydraulic security fluid with anti-wear properties for any application and requirement.	Water-glycol	32-68	> 200
HYDROFLOW HFDU	Self-extinguishing hydraulic oil with anti-wear properties for any application.	Synthetic Oil	32-68	> 180
HYDROFLOW HM	Highly refined mineral hydraulic oil for general applications (machine tools, valves, robotics, etc.).	Mineral Oil	22-100	> 95
SLIDEFLOW	Extreme pressure oil for sliding and slipping slideways. Antirust capacity and low friction coefficient.	Mineral Oil	32-220	> 95

SPAIN - Barcelona
MEXICO - Querétaro
BRAZIL - São Paulo
INDIA - Pune
CHINA - Hefei



METALWORKING FLUIDS

- Coolants
- Cutting Oils
- Forming Lubricants

DIE CASTING LUBRICANTS

- Die Casting Release Agents
- Gravity and Low Pressure Release Agents
- Plunger Lubricants
- Industrial & Technical Auxiliary Lubricants

FORGING LUBRICANTS

- Graphite Based Release Agents
- Graphite Free Release Agents

INDUSTRIAL LUBRICANTS

- Hydraulic Fluids
- Gear Oils
- Slideway & Chain Oils
- Thermic Oils
- Boundry lubrication additives

SURFACE TREATMENTS

- Cleaners
- Surface Protectors

EQUIPMENT

- Dosing & Application Equipment
 - Monitoring Equipment
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