

Product Portfolio

triboo-chemie

Trennen wie geschmiert

Convenient, practical and always available: Tribo-Chemie's product portfolio

Please find everything you need
at a glance:

The clear layout and compact
format provide brief information
and answers regarding our
products. The colour coding is
designed to help you find your
way. It will enable you to quickly
and easily spot the right product
to solve your specific application
problem.

Should you still have any queries
or desire a more in-depth and
personal consultation, please
give us a call. We will guide you
towards a satisfying solution.

Our hotline:

+49 9732 7838-0



In order to find the correct product just browse your way through the single categories!

DIE CASTING

Release Agents

wax-free | pigment-based
oil-based | paste-like

Plunger Lubricants

Beads | ölig

Specialities

Dispenser

FORGING LUBRICANTS

Forging Lubricants for Steel

Forging Lubricants for Aluminium

DIE CASTING

Release Agents

Isolat[®] Enviro 1011

Characterization

General purpose release agent, suitable for a wide range of castings including large and heavy as well as structural parts

Temperature Range

160° C to 400° C

Alloy

Al, Mg, Zn

Properties and Advantages

- strong release power
- no build-up
- bright castings
- castings can be welded, painted and powder coated

Please contact us for additional product information.

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Isolat[®] Enviro 1012

Characterization

General purpose release agent, suitable also for „older“ dies; prevents shrinkage

Temperature Range

160° C to 400° C

Alloy

Al, Mg, Zn

Properties and Advantages

- no build-up
- clean dies
- castings can be welded, painted and powder coated

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Isolat[®] 1013

Characterization

Universal release agent
suitable for a wide spectrum
of castings

Temperature Range

160° C to 350° C

Alloy

Al, Mg, Zn

Properties and Advantages

- good die wetting
- PDMS free release agent
- no build-up
- above average release

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product information.



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Isolat[®] TT 77

Characterization

Tried and tested release agent, which is qualified for glueing and welding of structural castings

Temperature Range

130° C to 350° C

Alloy

Al, Mg, Zn

Properties and Advantages

- approved for glueing, welding, painting and powder coating
- no build-up
- die wetting already at lower temperatures

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Isolat[®] 4007 GF

Characterization

Highly recommended for large and thin walled Mg castings

Temperature Range

160° C to 400° C

Alloy

Al, Mg

Properties and Advantages

- extreme release power
- no build-up
- bright castings

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Isolat[®] KA 4

Characterization

Thermally insulating
release agent for reduced
porosities in castings

Application

Poral Technology
SSM
Squeeze Casting

Properties and Advantages

- no gas emission =
reduced porosity
- insulating

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product information.

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Isolat® KA 5

Characterization

Thermally insulating
release agent for reduced
porosities in castings

Application

Porol Technology
SSM
Squeeze Casting

Properties and Advantages

- no gas emission =
reduced porosity
- increased isolating
properties compared
to Isolat® KA 4

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product information.

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Graphitex® 13 M

Characterization

Graphite coating to form
a heat resistant lubricating film

Application

gravity and low-pressure
die casting

Properties and Advantages

- reduction of cold flow marks
- insulating

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product information.



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Graphitex® 37 B

Characterization

Special graphitic
release agent

Application

„Poral“ Technology
SSM

Properties and Advantages

- no gas emission
- reduces porosity
- prevents metallization

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product information.

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Graphitex® CR 3401

Characterization

Water-based graphitic
release agent

Application

copper alloy
non-ferrous metal

Properties and Advantages

- forms a thin and even
release layer
- reduces porosity

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product information.

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Isolat® UP 78

Characterization

Light, synthetic oil with extremely powerful release

Alloy

AL, Mg

Properties and Advantages

- film forming ability at temperatures exceeding 400°C
- start up of new dies
- to be used as a release agent and suitable for minimal dosing
- replaces traditional pastes (e.g. silver and acid containing pastes)

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Isolat® UP 78 Paste

Characterization

Light-coloured paste to form a semi-permanent, powerful release coat

Alloy

Al, Mg

Properties and Advantages

- a modern alternative to traditional pastes
- forms thermally stable release coat lasting multiple cycles
- punctual use against welding

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Isolat[®] TM 201

Characterization

Ceramic-based „silver paste“
for extreme cases

Alloy

Al, Mg

Properties and Advantages

- prevents metallization
- ceramic coating forms a
lasting release layer

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product information.



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Trewa SF

Characterization

Acid-free anti-welding grease

Alloy

Al, Mg

Properties and Advantages

- no flow marks
- improved tool life
(no acid erosion)
- forms a lasting release layer
- environmentally and
user-friendly

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product information.

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DIE CASTING

Plunger Lubricants

Isolat[®] 80 G

Characterization

Dry, round, dust-free and free flowing shot sleeve and plunger lubricant

Type

Wax with a micro-milled graphite content of 18 - 20%

Appearance

black, round

Sizes

0,5 - 1,0 mm

1,0 - 1,6 mm

1,6 - 2,0 mm

2,0 - 3,0 mm

Properties and Advantages

- approved on all sizes of plungers
- anti-static and dust-free
- instant melting
- capillary action guarantees optimal lubrication
- minimal dosing is highly recommended
- reliable and precise dosing is guaranteed when using Tribo-Chemie Dispenser 3 D

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Isolat[®]

Enviro 228 PP

Characterization

Oil with good adhesion and lubricating properties

Type

medium-viscous oil

Appearance

light-coloured

Application

drip, spray

Properties and Advantages

- forms a thin and homogenous lubricating film on the metal surfaces between plunger and shot sleeve
- good adhesion and lubricating properties

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Isolat[®] 208 SP R2

Characterization

Graphite oil with high temperature resistance

Type

viscous graphite oil

Appearance

greyish

Application

drip, spray

Properties and Advantages

- prevents adhesion
- forms a thin, homogenous lubricating film; effective prevention of erosion
- high pressure resistance

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Isolat[®] WL-H

Characterization

Ready-to-use plunger lubricant

Type

water-soluble emulsion

Appearance

white

Application

spray, flooding

Properties and Advantages

- concentrate
- can be further diluted with water
- highly efficient
- protection against erosion

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product information.

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DIE CASTING

Specialities

Isolat[®] Coate S

Characterization

Extremely temperature resistant white insulating coating

Type

oil-based paste

Appearance

white

Application

ladle coating
channel coating

Properties and Advantages

- withstands temperatures above 2000°C
- prevents adhesion of melt; protection of ladle, channel, crucible and furnace
- ready for use

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Isolat[®]

Coate S grey

Characterization

Extremely temperature resistant grey insulating coating

Type

oil-based paste

Appearance

grey

Application

ladle coating
channel coating
furnace coating

Properties and Advantages

- withstands temperatures above 2000°C
- prevents adhesion of melt; protection of ladle, channel, crucible and furnace
- ready for use

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Supra Coate Graphite

Characterization

Insulating coating with long term effect

Type

oil-based graphite coating

Appearance

grey

Application

ladle coating

Properties and Advantages

- withstands temperatures above 800°C
- graphite coating lasts for 100 to 400 castings
- no negative effects on the quality of the castings
- ready for use

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Supra Coate Aqueous

Characterization

Concentrated insulating coating; can be diluted with water

Type

ceramic paste, water-based

Appearance

white

Application

ladle coating

Properties and Advantages

- withstands temperatures exceeding 1400°C
- parts to be coated can also be immersed
- ready for use

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Dispenser

Dispenser 3 D

Characterization

Dosing unit for Isolat® 80 G Beads

Application

Dosing of plunger lubricant Isolat® 80 G

Properties and Advantages

- high process reliability
- no blocking of dosing pipes
- dosing arm 3D adjustable
- minimal dosing possible and highly recommended
- exact dosing of various sizes of beads
- no dosing deviation

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Forging Lubricants

for Steel

Graphitex® 108

Characterization

Universal forging lubricant
for hot and warm forging

Properties and Advantages

- thin and even films; instant wetting of dies
- a well balanced combination of various graphites influences the flow of material
- recommended for precision forging, where accuracy is in demand
- trouble-free production, no build-up of residues in die or on die frame

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product information.

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Graphitex® CR 720 K

Characterization

Perfectly stable and concentrated graphite dispersion for an improved flow of steel

Properties and Advantages

- no settling out
- no stirring required
- instant wetting, even on hot dies
- suitable for fine mist spray nozzles
- no blocking, no build-up
- improved flow of material

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Graphitex® CR 7

Characterization

Perfectly stabilized „ready for use“ forging lubricant for improved process reliability

Properties and Advantages

- better metal flow during forging process
- trouble-free production, no blocking of nozzles
- instant formation of an even lubricating film
- improved process reliability

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Graphitex® CR 28

Characterization

Very fine and highly concentrated graphite dispersion; forming of thin, smooth and even lubricating film

Properties and Advantages

- fine graphite particles enable a perfect release film
- excellent release despite reduced expulsion agent
- recommended for precision forging
- economic use

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Graphitex® CR 288

Characterization

Concentrated graphite forging lubricant for large, difficult and heavy parts

Properties and Advantages

- especially suitable for parts with complex forming paths and long contact (dwell) times
- extraordinary wetting and film forming abilities
- positive influence on metal flow and shear strength

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Graphitex® 930

Characterization

Universal and concentrated graphite lubricant for a wide range of application for hot and semi-hot forging

Properties and Advantages

- well balanced combination of various types of graphites enables a release film which positively influences the forging process
- powerful release

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Forging Lubricants

for Aluminium

Graphitex® CR 25-9

Characterization

Forging lubricant for aluminium and non-ferrous metal

Temperature Range

160° C to 400° C

Properties and Advantages

- promotes the metal flow during forming process resulting in optimal form filling and accurate, precise parts
- perfect release
- much cleaner forgings, hardly any residues
- reduced cleaning effort
- high surface quality
- improvement of tool die life due to adhesion of protective graphites

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Any further questions?

The correct product not found yet?

Please do not hesitate to contact us!



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