DIE-LUBRIC 400 BS

WATER DILUTABLE DIE-FACE LUBRICANT FOR ALUMINIUM AND MAGNESIUM

PETROFER
industrial oils and chemicals

DESCRIPTION

DIE-LUBRIC 400 BS is a water dilutable, mineral oil free, die-face release lubricant for die-casting components of aluminum and magnesium alloys.

The product has extraordinarily good wetting properties and is extremely effective when the die temperatures are high.

Furthermore, DIE-LUBRIC 400 BS generates highly effective separating films on the dies, while guaranteeing very good lubrication of all sliding parts, ejection pins and moving cores within the die.

BENEFITS

- for aluminium and magnesium
- free of mineral oil
- formaldehyde-free
- for easy castings
- high wetting ability
- for high die temperatures
- no overspray residues
- very good for microbially contaminated systems

The die-face lubricant produces bright and clean castings. The formation and build-up of deposits through release agent residues and overspray in the die area is avoided, as the residues remain soft and are easy to remove.

Due to the special selection of raw materials, DIE-LUBRIC 400 BS is also suitable for use in normally microbially contaminated systems despite its formaldehyde-free formulation. This benefit and special functionality is particularly advantageous when the die-face lubricant is used in a previously microbially infected central supply system. The risk of clogging in pipelines, filters and spray nozzles by bacteria or fungi is safely avoided because of the extremely high flushing effect and stability of the product.

DIE-LUBRIC 400 BS does not cause any problems during painting or electroplating when properly used and normal cleaning or pre-treatment of the cast parts is undertaken. The residues on cast components are compatible for most typically found paint processes.

Depending on the geometry of parts to be cast, the alloys as well as the spray parameters, mixing ratios up to 1:80 are possible for DIE-LUBRIC 400 BS.

PHYSICAL DATA

Mixing ratio*	1:40 – 1:80
Wax content	●●○○○
Polysiloxane amount	●●○○○
Oil content	○○○○○
Casting complexity	●●○○○

*Depending on the casting complexity and the operating parameters

HANDLING AND STORAGE

The recommended storage temperature should be between 5 - 35 ° C, frost should be avoided.
Always observe the use by date on the container.

Only valid in combination with EC Safety Data Sheet
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