



Product Data Sheet

Deltaforge® F-568

Forging Die Lubricant

DESCRIPTION

Deltaforge F-568 is high quality water based graphite dispersion, supplied as a concentrate to be diluted with water.

BENEFITS

- Efficient lubrication
Deltaforge F-568 contains high purity graphite of fine particle size.
- Superb Metal Flow
The state of the art binder system combined with the high concentration content of fine particle sized graphite enables the forger near full control over the high metal flow capabilities of **Deltaforge F-568**.
- Superior Wetting
The superior wetting performance of **Deltaforge F-568** combined with the purity of the fine graphite ensures excellent die coverage and protection of the die, thus an extended die life can be achieved.
- Recyclable
Deltaforge F-568 has been formulated to be recyclable.
- Ammonia-free
Deltaforge F-568 is entirely ammonia free, resulting in a more pleasant working environment and easier compliance with Health & Safety legislation.

TYPICAL APPLICATIONS

- Hot and warm press forging and extrusion of steel alloys.

PHYSICAL PROPERTIES (as supplied)

Appearance :	black, medium viscous liquid
Pigment :	synthetic graphite
Carrier :	water
Diluent :	water
Density :	ca 1180 kg/m ³
Solids Content :	ca 28%
Viscosity (Brookfield 20°C, 20rpm) :	ca 1000mPa.s
Shelf Life :	12 months from date of qualification under original seal

METHOD OF USE

- Dilution
Deltaforge F-568 is supplied as a concentrate, allowing for flexibility and economy of use. After stirring the concentrate simply dilute with water according to the complexity of the forging produced and the degree of die cooling required. The recommend dilution limits lie between 1:5 and 1:20.
- Mixing
Deltaforge F-568 should be diluted by adding water in a mixing tank whilst stirring. Even though **Deltaforge F-568** has excellent suspension characteristics, slow stirring during operation will ensure homogenous spray.
To achieve the best results please ask for more information about our specially developed Acheson mixing systems.
- Application
Deltaforge F-568 is spray-on dispersion. Acheson has a full range of application equipment, from the DAG® 087 handguns to the fully automated DAG 2020 spray equipment system in either robotic or liner versions. All our equipment is developed in conjunction with our dispersions to achieve maximum results. Details can easily be obtained on request.

**STORAGE/
HANDLING**

Store **Deltaforce F-568** in a cool area, but do not allow to freeze. Product should not be used once frozen.
Always reseal container tightly to prevent evaporation or contamination.

HEALTH & SAFETY

Please consult Material Safety Data Sheet.

NOTES

Deltaforce® is a registered trademark of Henkel AG & Co KGaA.

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