



FORGE-MAX 200

FORGE-MAX 200 is a high performance, water based, billet coating and die lubricant

Description

FORGE-MAX 200 is a stable, high purity dispersion of graphite in water formulated to give a temperature resistant lubricating film on the die.

Applications

Hot and warm forging, stamping and extrusion of aluminum, steel and copper alloys.

Advantages

- Superior die lubrication

- Excellent film formation
- Low residues
- No harmful constituents
- Prolongs die life
- Economical
- Environmentally friendly
- Improved productivity
- Reduced scrap
- Reduced downtime
- Extended tool life
- Low waste disposal cost

Typical performance data

Appearance	Black viscous fluid
Lubricant	High purity graphite
Density, kg/m ³	1200
Carrier fluid	Water
pH	~10-11
Brookfield viscosity, cP	~1200

Application

FORGE-MAX 200 can be applied by spray onto the die and diluted with water in the ratios from 1:1 up to 1:10 depending on the size and difficulty of the job. When not in use for extended periods, lines should be rinsed with and left filled with water to prevent blocking of spray nozzles. FORGE-MAX 200 may also be used as a pre-coating by dipping the billet. For best results when dipping, the billet temperature should be between 200 °C and 300 °C.

Dilution

FORGE-MAX 200 is a concentrate and while being diluted it is important to add water to FORGE-MAX 200. Start by adding small amounts of water while stirring and gradually increase to amount of water while stirring at all times. Following dilution FORGE-MAX 200 should always have correct agitation to avoid sedimentation.

Storage

Store in a sealed container at a temperature between +5 °C and +40 °C. Shelf life is at least 12 months when stored in a sealed container. To ensure correct homogenization, shake the container before use.

All performance data on this Technical Data Sheet are indicative only and can vary during production

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