

# Technical data

## Cool-Tek 200

The logo for MolySlip, featuring the brand name in a bold, italicized, sans-serif font with a registered trademark symbol, set against a red rectangular background.

## Semi-synthetic roll forming lubricant

### Description

Cool-Tek 200 is a semi-synthetic hybrid lubricant designed for the roll-forming of ferrous metals including pregalvanized steel. It forms a highly detergent, stable emulsion that results in improved machine cleanliness and cleaner finished roll-formed section. Specially selected lubricity additives provide optimal lubrication during the forming and subsequent cutting processes resulting in superior surface finish on finished sections. Cool-Tek 200 contains a very strong corrosion preventative package leading to extended corrosion protection on both the internal and external bore of formed sections.

### Features and benefits

- Gives optimum lubrication to provide outstanding surface finish
- Excellent fines handling and settling
- Keeps mills clean and produces very clean sections/tubes
- Provides excellent corrosion protection
- High resistance to excessive foaming
- Low odour, pleasant to use
- Suitable for a wide range of metals and machining processes

### Packaging

205ltr and 1000ltr

### Instructions for use

Cool-Tek 200 concentrate should be added to water (never add water to concentrate). The recommended water quality for fresh fills is a low hardness of 60-100ppm CaCO<sub>3</sub> and low salt content. For any top ups use deionised water.

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### Technical data (typical values)

Property	Test method	Result
Concentrate appearance	MSTM 1	Clear amber oil
Solution appearance (5% in de-ionised water)	MSTM 9	Clear yellow solution
Solution pH (5% in de-ionised water)	MSTM 18	9.60
Density at 20°C	MSTM 23	1.02 g.cm <sup>-3</sup>
Corrosion Breakpoint	IP287	2.0%
Conductivity at 25°C (5% in de-ionised water)	MSTM 34	2400 µS
Refractometer Correction factor	-	1.56

### Dilution range

Cool-Tek 200 is designed to be used in the dilution range 4 to 10%. Optimum concentration is 5%. The specific dilution required will depend on the type and gauge of the metal, speeds, water conditions etc. Please consult Molyslip for guidance.

### Storage

Store Cool-Tek 200 out of direct sunlight.

Storage temperature should be controlled to between 5°C and 35°C.

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