

# Technical data

## Cool-Tek 250

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 250 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 250 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

20Ltr, 205ltr and 1000ltr

#### Instructions for use

Cool-Tek 250 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.

# Technical data

## Cool-Tek 250



### Technical data (typical values)

Property	Test method	Result
Concentrate appearance	MSTM 1	Clear amber fluid
Solution appearance (5% in de-ionised water)	MSTM 9	Clear yellow solution
Solution pH (5% in de-ionised water)	MSTM 18	9.40
Density at 20°C	MSTM 23	1.04 g.cm <sup>-3</sup>
Corrosion Breakpoint	IP287	1.0%
Conductivity at 25°C (5% in de-ionised water)	MSTM 34	2470 µS
Refractometer Correction factor	-	1.56

### Dilution range

Cool-Tek 250 is designed to be used in the dilution range 3 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 250 out of direct sunlight.

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

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.  
Issue date 10-21