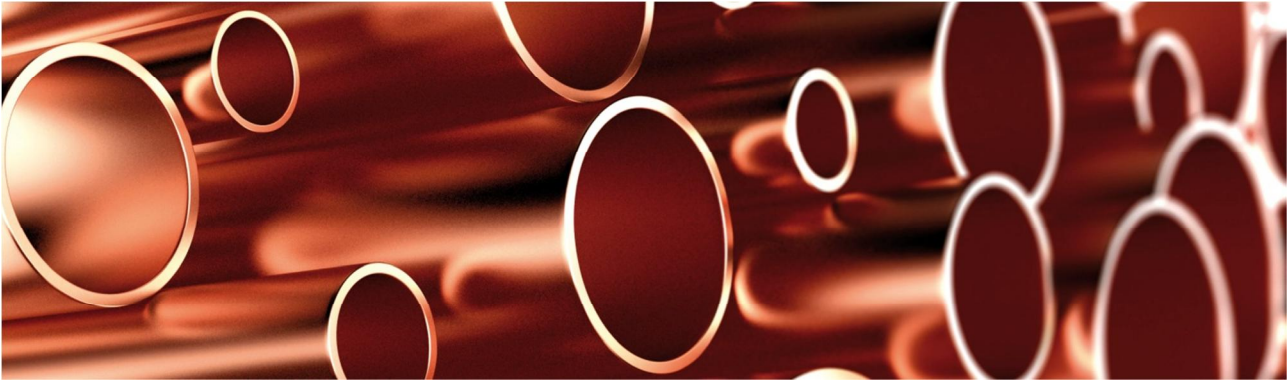




Tubol™ Extrusion Fluid

Extrusion quench additive



Description

Tubol Extrusion Fluid is primarily designed as an additive to the quench water in copper tube extrusion run-out tanks. The additive assists in the cooling and surface protection of hot extruded copper shell.

Tubol Extrusion Fluid dissolves readily in water to form a stable emulsion, which enhances the protection of the copper from discolouration (e.g. oxidation and water staining) and leaves a film on the surface for protection during subsequent handling and drawing operations.

Features and benefits

- Helps to produce consistent bright coloured shells
- Good anti-corrosion characteristics on both copper and the steel components of the quench tank
- Assists in protecting the surface finish of the newly extruded material, prior to drawing
- Low carbon residues
- Aids the initial drawing pass

Global specialists in high-performance lubricants

Metalube Limited, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester M44 5EG, UK
Tel: +44 (0)161 775 7771 Fax: +44 (0)161 775 7511 post@metalube.co.uk www.metalube.co.uk

Company registration number: 2263118; Company registered in England VAT registration number GB108244927000



Cert No 2367QM8001



Tubol™ Extrusion Fluid

Recommended instructions for use

Best used in low hardness and low salt content water, but can be used in waters with up to 200 ppm CaCO₃ hardness. Ideally, use water with an initial hardness of 60-100 ppm CaCO₃ to prepare a fresh emulsion, with de-ionised water being used for subsequent replacement of evaporation losses, spillage etc. Bulk emulsion operating temperatures of 35 – 45 °C are recommended.

To prepare an emulsion always add Tubol Extrusion Fluid concentrate to water with adequate agitation – never add water to the concentrate.

Pack sizes

Tubol Extrusion Fluid is available in 1000 litre IBC and 205 litre drums

Dilution range

Typical dilution 2%

Technical data (typical values)

Property	Test method	Result
Concentrate appearance	MSTM 1	Amber fluid
pH @ 2%dilution	MSTM 18	9.4
Density at 20°C	MSTM 23	1.01 g.cm ⁻³

Global specialists in high-performance lubricants

Metalube Limited, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester M44 5EG, UK
Tel: +44 (0)161 775 7771 Fax: +44 (0)161 775 7511 post@metalube.co.uk www.metalube.co.uk

Company registration number: 2263118; Company registered in England VAT registration number GB108244927000





Tubol™ Extrusion Fluid

Concentration monitoring

Emulsion concentration is generally measured using a refractometer measuring on the Brix scale.

To obtain the actual concentration multiply the refractometer reading by the correction factor 2.5

e.g. Refractometer reading	= 0.8
Correction factor	X 2.5
Actual dilution	= 2.0%

Storage

Store Tubol Extrusion Fluid out of direct sunlight and protect from frost. 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 09-12

Global specialists in high-performance lubricants

Metalube Limited, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester M44 5EG, UK
Tel: +44 (0)161 775 7771 Fax: +44 (0)161 775 7511 post@metalube.co.uk www.metalube.co.uk

Company registration number: 2263118; Company registered in England VAT registration number GB108244927000

