



TECHNICAL DATA SHEET

METALCOTE 221

Graphite compound suspended in water



DESCRIPTION

Metalcote 221 is based on semi-colloidal graphite, suspended in water. It is a lubricant for general use on metal parts like cores, slides and other moving parts of gravity or low pressure dies.

Also recommended for anode stubs coating.

The product with excellent heat conducting and lubricating properties to ensure maximum protection and lubrication to metal surfaces.

PRODUCT PHYSICAL DATA

Appearance:	Paste	Colour:	Black
Specific gravity:	1,2 g/cm ³	Vehicle:	Water

METHOD OF USE

Before applying the paint, all parts must be perfectly cleaned, sanded and brushed.

Remove any deposits left by previous paints.

Degrease with suitable solvents.

Do not touch parts with dirty hands before applying the product.

Carry out the same cleaning treatment on moulds, dies and tools. If the product is used on the mould of the shell, heat it to 180 °C using a gas flask or a series of different flasks.

Remember not to smear, directly with the flame, the surface of the mold figure but warm the shell on the back or side, to avoid any carbon deposits on the mold.

Be careful not to over-heat the parts to avoid that, during the application of the product, the water contained evaporates too quickly by changing the structural homogeneity of the paint and developing a negative ligand reaction.

Do not work with too low temperatures to avoid leaking of paint along the shell walls.

Metalcote 221 can be applied by brush, immersion or spray.

QUANTITY OF USE

Brush application: dilute 1 part of the product with 5 parts of water by weight.

Immersion application: dilute 1 part of the product with 10 - 15 parts of water by weight.

Spray application: dilute 1 part of the product with 5 parts of water by weight. Increase, if necessary, to 1:10.

PACKAGING AND STORAGE

30 kg steel pails

Warnings: The product is frost sensitive.

Store at temperatures above 5 ° C and close the pails after use.

It is possible that during storage some products containing mineral ingredients tend to precipitate.

This phenomenon is absolutely normal due to the specific density of minerals. It is important to mix the product carefully before use. If properly stored the product shelf life exceeds 12 months.