

Technical data



Dry Graphite Spray

Bonded Dry Graphite Lubricant

Description

Dry Graphite Spray is a high performance, resin bonded, dry film lubricant based on high purity graphite. When applied to metal substrates the graphite forms a resilient, low friction film that protects against wear and corrosion.

Dry Graphite Spray reduces metal pick-up and galling during component assembly and dry start up conditions and where traditional “wet” lubricants either can’t be used or do not provide adequate lubrication. Dry Graphite Spray can be used in a wide variety of operating conditions – the applied film will operate between -50°C and + 550°C without flaking or cracking. Unlike oils and greases the dry nature of the film will not attract dirt and dust and it is resistant to water wash-off making it ideal for use in extreme environments.

Dry Graphite Spray is typically used as a dry-film blank mould pre-treatment in the glass container industry where the bonded graphite film removes the need to manually swab with ‘wet film’ compounds during set-up when consistent running conditions are required. Dry Graphite Spray can also be applied to baffles, blow moulds, bottom plates, neck rings etc.

Features and benefits

- Resin bonded temperature resistant low friction coating
- Easy to use - Ambient temperature curing
- Provides consistency during machine set-up
- Maintains even glass distribution
- Reduces thermal shock and allows clean release of ware from mould cavities

Instructions for use

Shake well, hold can upright and spray from a distance of approximately 15-30cm. Coat the metal surface evenly and allow to dry. Touch dry in approximately 1 minute, fully cured in 2-4 hours. Lightly burnish the surface with a lint free cloth to remove ‘free’ graphite from the surface. After spraying invert the can and spray until clear (failure to do this can result in valve blockage).

Storage

Dry Graphite Spray should be stored out of direct sunlight at temperatures between 5°C and 35°C. The most up to date shelf-life information for Moly Slip products can be found on the certificate of analysis issued at the time of manufacture.

Packaging and product codes

Code	Pack
M117004	400 ml aerosol

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Property	Test method	Result
Appearance	-	Grey/black dry film
Bonding resin	-	Inorganic
Propellant	-	LPG
Solid Lubricant	-	Graphite
Graphite content of cured film	-	75%
Effective temperature range	-	-50°C up to +550°C

Note: these values are typical only and do not constitute a specification

Limited warranty information
The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. We accept no liability for any loss and/or damage arising from a failure to store out products in accordance with the information contained in this technical sheet. Metalube Group's sole warranty is that our products will meet their quality control specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. To the fullest extent permitted by applicable law, Metalube Group specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Metalube Group disclaims liability for any incidental or consequential damages.

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