



Product Data Sheet

Dag[®] 580

Dry graphite coating

DESCRIPTION

Dag 580 is a colloidal dispersion of specially processed micro-graphite in ethyl alcohol. It is used for the formation of dry lubricating films and electrically conducting coatings. It is also employed as an anti-seize material on screw threads.

TYPICAL APPLICATIONS

- **Dry Film Lubrication**
The product is particularly suitable for operation under high loads at normal temperatures, e.g. machines for cigarette manufacture and food handling where no traces of any unpleasant odour can be tolerated; office machines, vending machines, parking meters.
- **Electrically Conducting Coatings**
Applications include plastic cable treatment; prevention of corona discharge in electrical equipment; electrostatic screening particularly of plastic surfaces; as an electrode in radiation meters and counters; in industrial and radio valves on grids and anodes.
- **Screw Thread Treatment**
Normally the product is applied by means of a soft brush after dilution to a suitable consistency. The advantage of the product is the rapid evaporation of the volatile carrier liquid. It is essential that the surfaces to be coated should first be cleaned and degreased.
- **Other Applications**
Impregnation of porous materials and incorporation into resins and plastics.

TYPICAL PROPERTIES (of wet product)

Solids content :	approx. 23%
Flashpoint :	14°C
Density :	900 kg/m ³
Suitable diluents :	butanol, toluene, butyl-acetate, industrial ethyl alcohol
Shelf Life :	48 months from date of qualification in unopened container

METHOD OF USE

Surfaces to be coated should first be cleaned and degreased. On highly polished surfaces a roughening pretreatment like sand blasting or etching will improve adhesion.

Dag 580 must be diluted by slowly adding the diluent to the concentrate, under continuous stirring. The concentrate should be stirred well before it is taken out of its original container.

After dilution **Dag 580** can be applied by spray, brush or dip methods. The following dilution ratios per volume of product are recommended:

Brush	: 1 to 3 volumes of diluent
Spray	: up to 8 volumes of diluent
Dip	: 1 to 4 volumes of diluent

The diluted product should be stirred before use to maintain a homogeneous suspension. The films are ready for service after air drying for 1 hour.

Depending on the nature of the substrate the films may be cured for 10 min. to 1 hour, at a maximum temperature of 150°C.

HEALTH & SAFETY

Please consult Material Safety Data Sheet.

NOTES

Dag[®] is a registered trademark of Henkel AG & Co KGaA.

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