



Product Data

NEOCOL B

Colour Contrast Magnetic Particle Inspection

Neocol B is a high grade Black Magnetic Ink for use in the Magnetic Particle Inspection Process. The product has a high flash point with good particle mobility. Neocol B uses the highest grade of particles, selected for their response to very low magnetic field strengths and also low coercivity. This makes the Ink responsive whilst avoiding coagulation. The carrier is a highly refined and de-aromatised hydrocarbon.

Typical Properties

Form	Grey - Black Mobile Liquid when agitated
Density	0.8 at 15°C
Flash Point	> 100 °C
Solid Content	2.5 % Typical by volume after 1 hour
Viscosity	< 3cst at 40°C

Method of Use

Aerosol application is the most popular method for site work, but bulk is also supplied for use in Bench Unit Ink Hoppers etc

Neocol B is flooded over the surface to be inspected whilst the area is magnetised in a particular orientation (The greatest build up occurring when surface defects are at 90° to the field applied) The magnetic field must be held on until ink application has finished to avoid washing off indications. Defects will show up as well defined indications and inspection should be undertaken in good lighting conditions (White light over 500 Lux)

Prior to application, Aerosols and bulk 5 litre containers must be shaken vigorously to disperse the Particles.

Neocol B can be used in conjunction with **Neopaint NPT16**, **Neopaint – 2** or **ECO – 2** Contrast Aid Paints The MPI System provides a high level of integrity when used on welded fabrications, pressure vessels, structures, pipes, castings, forgings and many other ferromagnetic components.

Specification Compliance

Neocol B Complies with BS EN ISO 9934-2:2002 Pack size Aerosol 5L and 25 Litre

COSHH – Please read the relevant COSHH for this product. Treat solvents with respect.

Alternative Products (Magnetic Inks)–

Neocol BC (Black Concentrate – Hydrocarbon)

Neocol BCW (Black Concentrate for Water Dispersion)

NeoAstra F and DG Fluorescent Inks – (Requiring High Intensity UV Illumination for Inspection)

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