

FLUORESCENT MAGNETIC POWDER

Product Code: DF09 (Fluorescent Powder Water Based concentrate)

GENERAL DESCRIPTION

**DF09 is fluorescent magnetic powder for wet particle inspection system.
Powder gives yellow-green fluorescence under blacklight i.e. 365nm and can be suspended in water.**

APPLICATIONS

It is used to locate fine surface and slightly subsurface discontinuities such as: inclusions, seams, shrink cracks, tears, laps, flakes, welding defects, grinding cracks, quenching cracks, and fatigue cracks.

COMPOSITION

Iron powder is coated with fluorescent pigment, Wetting Agent, Defoamer, Anti-rust agent, Corrosion inhibitor.

BATH PREPARATION

Oil Bath: Add 10ml DF09 per litre of Water and check concentration by using centrifuge tube and stand. Allow proper mixing of bath before taking concentration.

Color Under White Light : Light green, brown liquid

Color Under Black Light : Yellow-Green

Average particle size: 2-6 microns

Temperature limit: 50°C

METHOD OF APPLICATION

The part is properly cleaned and wet powder bath is applied on job while current is passing. This will give clear indications by continuous wet technique. Residual magnetized jobs can be inspected by dipping parts in bath.

POST INSPECTION CLEANING

The parts must be properly demagnetized before cleaning to ensure ease of particle removal.

PACKAGING:

1 lits. packing

CONFORMS TO REQUIREMENT OF ASTM E 1444 AND E-709