

GLO-NETIC™ Spray Cans

FLUORESCENT MAGNETIC PARTICLES



PRODUCT INFORMATION

Description: Glo-Netic™ spray is used in the magnetic particle crack detection process by critical industries, including nuclear power, aerospace, shipbuilding and construction. Glo-Netic™ spray cans contain suspended fluorescent magnetic particles in a highly refined light petroleum oil. The particles respond to magnetic leakage fields created by cracks and other flaws. They rapidly collect at such fields and when viewed under black light, they reveal and profile flaws as bright, glowing yellow-green marks.

Glo-Netic™ spray cans save time and labor. Particles are pre-mixed in proper concentration for high sensitivity inspection. Particle concentration of the pre-mixed suspension gives a 0.25 to 0.30 ml settling (centrifuge) tube reading. Glo-Netic™ is ready when needed, no time-consuming weighing and mixing.

Glo-Netic™ spray cans are a useful and valuable NDT tool. They offer convenience and improve reliability since the pressure spray evenly disperses the particles in a uniform, light oil coating. The coating is free of "clumps".

Companion Materials: Sherwin DR-60 (Class 2)

Container Sizes: case of 12 aerosol cans

Basic Instructions: These instructions describe the basic process. They may need to be amended by the user to comply with applicable specifications and/or inspection criteria provided by the contracting agency.)

1. Clean the test surface with Sherwin DR-60 cleaner-remover or equivalent.
Magnetize the area.
Shake spray can well and spray a generous amount of Glo-Netic™ SC925 over the surface with magnetic equipment in contact. Allow excess oil to run off surface.
2. Inspect surface under ultraviolet lighting. Collections of fluorescent magnetic particles will reveal defects at leakage fields.
Clean and repeat process, changing magnetizing equipment by 90°.

Applicable Specifications:

MIL-STD-271
MIL-STD-2132
ASME B & PV Code, Sec. V

ASTM E 709
AMS3045
NAVSEA 25-1500-1

ASTM E 1444
ASME 3046

PRECAUTIONARY INFORMATION

Glo-Netic™ spray can propellant is flammable. Caution must be used if the Prod Method of magnetism is used as this is a source of ignition

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