

Approvals and conformities

ASME
RCC-M
ISO 9934-2
ASTM-E-1444
AMS 3044

MANUFACTURER: MARKTEC (J)

DESCRIPTION / APPLICATIONS:

Green magnetic powder designed for use in a solvent or water-based media. Used for revealing defects in magnetic testing.

Companion products: organic media K5500 or K9300

DIRECTIONS FOR USE

Use:

Refer to the technical data sheets of the corresponding carrier liquids for operating temperatures.

Preparation:

Dispersing the powder gradually in a suitable organic carrier liquid (K5500, K9300 or K9300P) and shaking vigorously. The product can be used within 30 months.

Shake the product vigorously before sampling or use.

Concentrations can vary from 0.2 to 3.5 g/L depending on the application. For the detection of defects in the bottom of the thread on bolts, prefer a concentration between 0.2 and 0.5 g/L.

Application:

Spray the product on the part to be tested during magnetization. Continue magnetization for 2 to 3 seconds after the end of application.

Observation:

Observe under UV-A illumination (minimum irradiance: 1000 $\mu\text{W}/\text{cm}^2$ recommended: $>1500 \mu\text{W}/\text{cm}^2$) in dimmed visible light ($< 20 \text{ lux}$) after adaptation of the eye for 2 to 3 minutes according to EN ISO 3059.

Actinic blue (A-Blue®) possible.

TECHNICAL CHARACTERISTICS

Colour yellow green (under UV-A and A-Blue®)
Particles dimensions 4,5 to 25 μm / average value 12 μm

1 Date : 05-07-2017 Written and checked by : F. Héron

Fluorescence 9,5 cd/W (under UV-A)
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PRECAUTIONS FOR USE AND STORAGE

Transport / Handling: refer to MSDS (material safety data sheet)

Storage : temperature range: 0 to + 50°C

Keep away from moisture.

Keep packaging closed after taking out some of the product

This technical data sheet replaces and cancels the previous one.