

Approvals and conformities

ASME
RCC-M
ISO 9934-2
NFF 00-090
ASTM-E-1444
AMS 3044
AMS 3042

MANUFACTURER: CIRCLE SYSTEMS (USA)

DESCRIPTION / APPLICATIONS:

MG 600 is red, and fluorescent red powder used for Magnetic Testing. It is designed for use in a solvent media.

It is highly visible under plain white light, and gives very clear, brilliant, more intense indications under UV-A light.

Companion products: - organic media K5500 or K9300
- KP600

DIRECTIONS FOR USE

Preparation:

- Recommended concentration :
- for use in visible light : 3 to 10 g/L
- under UV-A radiation : 0,5 to 3 g/L
- For better results add a small amount of oil to the powder and form a slurry prior to addition to the solvent.
- Use within 30 months after preparation.

Observation:

- Apply the preparation on the part while magnetized. Let magnetisation ON for 2 or 3 seconds after spray-stop.
- Inspection can be done under actinic blue light

- Inspect with more than 500 lux or 1000 lux, depending on applicable specifications, when used in plain visible light, according standard EN ISO 3059 (*it is recommended to use a "cool white" light, colour temperature being more than 4500K and colour rendition index more than 80 or light with an illuminating index of D65. It is recommended NOT TO USE undervoltaged incandescent bulbs, as it often happens with battery-operated units, this giving a yellowish light).*

- Inspect in dimmed visible light (< 20 lux), with at least 1000 $\mu\text{W}/\text{cm}^2$ (or, better, at least 1500 $\mu\text{W}/\text{cm}^2$) of UV-A irradiance for use as a fluorescent product, after eye adaptation, according standard EN ISO 3059.

TECHNICAL CHARACTERISTICS

Colour red and fluorescent red
Particles dimensions 0,5 to 25 μm / average 6,5 μm

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.

This technical data sheet replaces and cancels the previous one.

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