8A Red

Visible Dry-Method Magnetic Particles



MAGNAVIS® 8A Red is a ready-to-use, dry method, colour-contrast magnetic powder. Used for visible light flaw detection, it detects surface and slightly subsurface discontinuities in ferrous metals.

8A Red can be applied from a powder blower or shaken from a bottle during magnetisation, and blown off while current is still being applied. On material with a high magnetic retentivity, indications can still be formed after the current has been turned off.

FEATURES

- Sharp, color-contrast indications on most surfaces and coloured backgrounds.
- Ready-to-use
- Good particle buildup for quick detection
- Highly refined for optimal particle shape and size combination
- Minimal dust build-up
- Does not require a UV light or darkened inspection area

SPECIFICATION COMPLIANCE

- AMS3040
- ASME BPVC-V
- ASTM E709
- ASTM E1444/E1444M
- EN ISO 9934-2
- MIL-STD-2132
- NAVSEA T9074-AS-GIB-010/271

APPLICATIONS

Defect location: surface and slightly subsurface

Ideal for:

- Light, medium, dark surfaces
- Detecting medium, large and course discontinuities
- Weld testing
- Forgings
- Castings
- Field testing
- Spot inspections
- In-service inspections
- Large parts
- Extreme temperatures
- Rough/textured surfaces

Ideal for:

- Inclusions
- Seams
- Shrink cracks
- Tears
- Laps
- Flakes
- Welding defects
- Grinding cracks
- Quenching cracks
- Fatigue cracks

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COMPOSITION

Selected magnetic powders and pigments.

PRODUCT PROPERTIES

Form	Free-flowing powder
Colour	Dark red
Upper temperature limit *	315°C
SAE sensitivity	7
Average particle size	80 µm

* This limit does not mean that the material will not form indications above the specified temperatures. However, particles used at elevated temperatures for an extended period of time may alter in colour, sinter together or emit smoke. Particles heated to 480°C or passed through a flame will smoulder or spark.

Like all Magnaflux materials, 8A Red is closely controlled to ensure batch-to-batch consistency, optimum process control and inspection reliability.

USER RECOMMENDATIONS

NDT Method	Magnetic Particle Testing, Visible, Dry Method
Storage temperature	10°C to 30°C

INSTRUCTIONS FOR USE

Using a powder spray bulb, plastic squeeze bottle, or a powder blower, apply the magnetic powder while the magnetising current is on.

If there is considerable background build-up, gently blow the excess material off while the current is flowing.

If the material being tested has a high retentivity, surface defects can be detected after the current shot.

PACKAGING AND PART NUMBERS

5 Kg 057C067

Packaging for this product is made from recycled materials and is recyclable.

HEALTH AND SAFETY

Review all relevant health and safety information before using this product. For complete health and safety information, refer to the Safety Data Sheets, which are available at **www.magnaflux.eu**