

TECHNICAL DATA SHEET

BLUE POWDER No. 6

Blue Magnetic Dusting Powder

Code 1548

DESCRIPTION

DUBL-CHEK Blue Powder No. 6 is a highly refined non-fluorescent blue magnetic powder used for dry method magnetic particle inspection. It is designed to be used in visible light to reveal discontinuities. The particles respond to magnetic leakage fields created by discontinuities in ferromagnetic material. Particles rapidly collect at leakage fields producing indications.

FEATURES & BENEFITS

- Particles are easily agitated, fast acting and produce defined indications
- Particles meet specification requirements
- Can be used with both stationary and portable magnetic test equipment
- Can be used at elevated temperatures
- The colour gives a clear contrast to backgrounds

PHYSICAL PROPERTIES

Particle Colour: Blue
 Specific Gravity: 2.5 – 3.0 g/ml
 Particle Size: 15 – 160 µm (average 75µm)
 Sensitivity: 8 lines on a AISI Ketos tool steel ring
 Temperature Limits: 427°C

SPECIFICATION COMPLIANCE

- ASTM E-1444
- AMS 3040
- MIL-STD-271
- NAVSEA 250-1500-1
- NTR-1E

ORDERING INFORMATION

Product Code	Packaging
1548/10LBS	4.5kgs
1548/50LBS	22.5kgs (5.9 gallons)

BATCH NUMBERS

Batch numbers can be found on the bottom of aerosol cans or labels of bulk containers. Certificate of Conformance documents are provided with the product or can be downloaded from www.callington.com



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DIRECTIONS

Note: These instructions describe the basic process, but 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 and allow it to dry.
2. Apply Blue Powder No. 6 to the part with a powder spray bulb or powder blower.
3. Magnetise the area to be inspected.
4. As the current is being applied, dust the powder over the part. If excessive powder is visible, gently blow the extra powder off.
5. Inspect the surface under visible light.
6. Collections of particles will reveal discontinuities at the leakage fields.
7. Clean and repeat the process; changing the orientation of the magnetising direction

STORAGE/SHELF LIFE

Keep away from moisture and sunlight. Keep the container closed when not in use. Shelf life: 36 months (3 years) from date of manufacture.

Refer to NDT Shelf Life and Storage Recommendations for further information.

HEALTH & SAFETY

Consult the MSDS for Safety and Health information.

Get medical attention if irritation develops and persists. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

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