

# PFINDER 251

## MAGNETIC PARTICLE SUSPENSION

### BLACK

oil-based | ready to use



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#### DESCRIPTION

PFINDER 251 is a ready-to-use-suspension of black magnetic particles in low-viscos carrier oil with special additives for magnetic particle testing. With PFINDER 251 surface defects of magnetizable materials can be indicated under daylight conditions.

#### APPLICATION

Cover surfaces to be tested thinly and evenly with white contrast paint PFINDER 280. Allow to dry. Apply PFINDER 251 while magnetizing. Black indications will appear immediately on the white background.

Application temperature

Aerosol spray can: 0°C – 50°C (32°F – 122°F)

Work piece: up to 50°C (122°F)

The capability of the magnetic particle suspension should be checked regularly by means of own reference pieces or e.g. reference block 1 according EN ISO 9934-3.

Aerosol spray cans must not be warmed up above + 50 °C (+122 °F). Minimum working temperature for Aerosol spray cans is +5°C (41 °F).

Process description according EN ISO 9934-1 see [www.pfinder-ndt.com](http://www.pfinder-ndt.com).



#### YOUR GREEN NDT BENEFITS

- | Nearly odourless
- | Free of silicone, sec. amines, nitrites/halogens
- | Aerosol spray can with minimized carbon footprint



#### YOUR HANDLING + COST SAVING BENEFITS

- | Excellent sharp, quick and stable indications
- | Product complies with all common specifications
- | Compatible with non-ferrous materials

#### APPROVALS & CONFORMITIES

The product conforms to these specifications / is suitable for the use according to:

EN ISO 9934-2 | ASME V Art.7 |  
ASTM E 1444 | ASTM E 709 |  
AMS 2641 | AMS 3041 |  
AMS 3043

Low content of sulfur and halogens according to EN ISO 9934-2.

#### PACKAGING

500-ml-spray can (for 360° application) | 5-l-canister

These packages are on stock and instantly available. Other packages on demand.  
The spray characteristics of aerosol cans may change during the shelf life.

#### SHELF-LIFE & STORAGE

5 years | canisters: 2 years

Storage between + 5 °C to + 45 °C / +40°F to 105°F  
Shake or stir well before use!

CHARACTERISTIC DATA	Specification	Unit	Value
Density/20 °C	EN ISO 12185	kg/m <sup>3</sup>	approx. 783
Viscosity/20 °C	ASTM D 445	mm <sup>2</sup> /s	approx. 2,3
Flash Point	ASTM D 93	°C	approx. 70
Particle size d10	PFINDER 080.900Q01	µm	approx. 0,6
Settlement volume	AMS 3041	ml/100 ml	approx. 1,3 – 1,7
Settlement volume	AMS 3043	ml/100 ml	approx. 1,3 – 1,7

Data of products packaged in aerosol spray cans might differ.