

PFINDER 150

MAGNETIC PARTICLE SUSPENSION

FLUORESCENT

oil based | ready to use



DESCRIPTION

PFINDER 150 is a ready-to-use suspension of fluorescent magnetic particles in low-viscos carrier oil with special additives for magnetic particle testing. With PFINDER 150 surface defects of magnetizable materials can be indicated under UV-light (365 nm).

APPLICATION

Apply PFINDER 150 undiluted while magnetizing. Indications will appear immediately under UV-light (365 nm).

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.



YOUR GREEN NDT BENEFITS

- | 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
- | Low background fluorescence
- | 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 3044 |
- AMS 3045 | AMS 3046

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

3 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 ³	approx. 760
Viscosity/20 °C	ASTM D 445	mm ² /s	approx. 2,5
Flash Point	ASTM D 93	°C / °F	≥ 61 /
Particle size d50	PFINDER 080.900Q01	µm	3 – 6
Fluorescent coefficient	EN ISO 9934-2	cd/W	approx. 3,8
Settlement volume*	AMS 3045	ml/100ml	approx. 0,3

Data of products packaged in aerosol spray cans might differ.

PFINDER 240

MAGNETIC PARTICLE SUSPENSION

BLACK

water based



DESCRIPTION

PFINDER 240 is a water-based, ready-to-use suspension of black magnetic particles with special additives for magnetic particle testing. With PFINDER 240 surface defects of magnetizable materials can be detected at daylight.

The product is applied by direct spraying on the surface to be tested.

Due to the use of a special, non-flammable propellant PFINDER 240 aerosol spray cans come with a more than ca. 50 % higher suspension content - compared with standard 500 ml aerosol spray cans. The gross volume of all PFINDER spray cans is 650 ml.

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.



YOUR GREEN NDT BENEFITS

- | No hazard classification/labeling acc. to EC regulation
- | Aerosol spray can with non-flammable propellant
- | Aerosol spray can with minimized carbon footprint



YOUR HANDLING + COST SAVING BENEFITS

- | Excellent sharp, quick and stable indications
- | Very efficient: High net content per aerosol spray can
- | 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 |

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

PACKAGING

400-ml-spray can (for 360° application)

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

4 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 ³	approx. 1001
Viscosity/20 °C	EN ISO 3104	mm ² /s	approx. 1,0
Flash Point	ASTM D 93		> 100°C (> 212°F)
Particle size d10	PFINDER 080.900Q01	µm	approx. 1,1
Settlement volume	AMS 3042	ml/100 ml	approx. 1,2

PFINDER 251

MAGNETIC PARTICLE SUSPENSION

BLACK

oil-based | ready to use



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.



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 ³	approx. 783
Viscosity/20 °C	ASTM D 445	mm ² /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.