

PFINDER 170

MAGNETIC PARTICLE CONCENTRATE

FLUORESCENT

suspendable in carrier oil



DESCRIPTION

PFINDER 170 is an oil-suspendable concentrate of fluorescent magnetic particles with special additives for magnetic particle testing. PFINDER 170 indicates surface defects of magnetizable materials under UV light (365 nm).

The concentrate PFINDER 170 has to be stirred in carrier oil (e.g. PFINDER 550). An even dispersion of the particles will be obtained very quickly.

APPLICATION

The ideal use concentration may vary according to magnetisation strength, surface conditions, after-magnetisation terms and flushing time. Therefore following values should only be understood as an indication:

1 l PFINDER 170 for 80 to 100 l oil (1,25 to 1,0 %).

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.

Process description according EN ISO 9934-1 see www.pfinder-ndt.com.



YOUR GREEN NDT BENEFITS

- | Odourless
- | Free of sec. amines, nitrites and halogens



YOUR HANDLING + COST SAVING BENEFITS

- | Excellent indications with 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 3044

Low content of sulfur and halogens according to EN ISO 3452-2.

PACKAGING

1-l-bottle

These packages are on stock and instantly available. Other packages on demand.

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. 800
Particle size d10	PFINDER 080.900Q01	µm	approx. 1,1
Fluorescent coefficient	EN ISO 9934-2	cd/W	approx. 3,8
Particle concentration*	AMS 3045	ml/100 ml	approx. 0,10

* Refers to a suspension of 1,25 %

PFINDER 115

MAGNETIC PARTICLE CONCENTRATE

FLUORESCENT

suspendable in water



DESCRIPTION

PFINDER 115 is a water-suspendable concentrate of fluorescent magnetic particles with special additives for magnetic particle testing. PFINDER 115 indicates surface defects of magnetizable materials under UV-light (365 nm).

The concentrate PFINDER 115 has to be stirred in water. An even dispersion of the particles will be obtained very quickly.

PFINDER 115 provides an extra-high content of powder.

APPLICATION

The ideal use concentration may vary according to magnetisation strength, surface conditions, after-magnetisation terms and flushing time. Therefore following values should only be understood as an indication:

1 kg PFINDER 115 for 40 l to 100 l water (2,5 % to 1,0 %).

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.

Process description according EN ISO 9934-1 see www.pfinder-ndt.com.



YOUR GREEN NDT BENEFITS

- | Odourless
- | Free of sec. amines, nitrites and halogens



YOUR HANDLING + COST SAVING BENEFITS

- | Brilliant, quick and stable indications
- | Low background fluorescence
- | With effective corrosion protection

APPROVALS & CONFORMITIES

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

EN ISO 9934-2 | ASME V Art.7 |
ASTM E1444 | ASTM E709 |
AS 4792 | AMS 3044

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

PACKAGING

1-l-bottle | 5-l-canister

These packages are on stock and instantly available. Other packages on demand.

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/15 °C	EN ISO 12185	kg/m ³	approx. 1140
pH value*	ISO 4316		approx. 8,0
SAE sensitivity (tool steel ring)	ASTM E 1444	indications	7 - 8
Particle size d50	Pfinder 080.900Q01	µm	3 - 6
Fluorescent coefficient	EN ISO 9934-2	cd/W	approx. 1,7
Settlement volume*	AMS 3044	ml/100 ml	approx. 0,25

* Refers to a suspension of 2,0 %

PFINDER 130

MAGNETIC PARTICLE CONCENTRATE

FLUORESCENT

suspendable in water



DESCRIPTION

PFINDER 130 is a water-suspendable concentrate of fluorescent magnetic particles with special additives for magnetic particle testing. PFINDER 130 indicates surface defects of magnetizable materials under UV-light (365 nm).

The concentrate PFINDER 130 has to be stirred in water. An even dispersion of the particles will be obtained very quickly.

This product is based on fluorescent magnetic particles that appear black green under white light. Therefore accumulations of the suspension on the surface of tested parts can not be mistaken for corrosion.

APPLICATION

The ideal use concentration may vary according to magnetisation strength, surface conditions, after-magnetisation terms and flushing time. Therefore following values should only be understood as an indication:

1 kg PFINDER 130 for 40 l to 80 l water (2,5 % to 1,25 %).

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.

Process description according EN ISO 9934-1 see www.pfinder-ndt.com.



YOUR GREEN NDT BENEFITS

- | Odourless
- | Free of sec. amines, nitrites and halogens



YOUR HANDLING + COST SAVING BENEFITS

- | Brilliant, quick and stable indications
- | Low background fluorescence
- | With effective corrosion protection

APPROVALS & CONFORMITIES

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

EN ISO 9934-2 | ASME V Art. 7 |
 ASTM E1444 | ASTM E709 |
 AS 4792 | AMS 3044

Low content of sulfur and halogens according to EN ISO 3452-2.

PACKAGING

1-l-bottle | 5-l-canister

These packages are on stock and instantly available. Other packages on demand.

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 / 15 °C	EN ISO 12185	g/cm ³	approx. 1,083
pH value*	ISO 4316		approx. 8,0
SAE sensitivity (tool steel ring)	ASTM E 1444	indications	7 - 8
Particle size d50	Pfinder 080.900Q01	µm	4 - 7
Fluorescent coefficient	EN ISO 9934-2	cd/W	approx. 2,1
Settlement volume*	AMS 3044	ml/100 ml	approx. 0,2

* Refers to a suspension of 2,5 %

PFINDER 205

MAGNETIC PARTICLE CONCENTRATE

BLACK

suspendable in water



DESCRIPTION

PFINDER 205 is a water-suspendable concentrate of black magnetic particles with special additives for magnetic particle testing. With PFINDER 205 surface defects of magnetizable materials can be detected at daylight.

The concentrate PFINDER 205 has to be stirred in water. An even dispersion of the particles will be obtained very quickly.

For high-contrast indications, we recommend coating the surface to be tested with white contrast paint PFINDER 280 beforehand.

APPLICATION

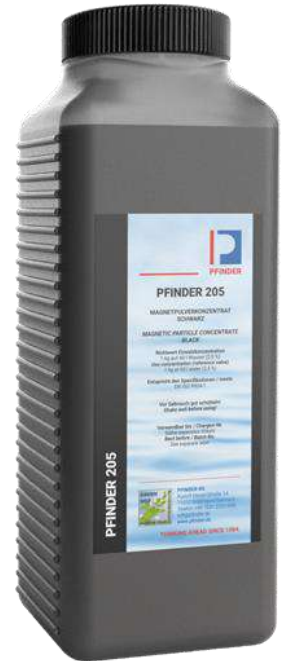
Cover surfaces to be tested thinly and evenly with white contrast paint PFINDER 280. Allow to dry. Apply diluted PFINDER 205 while magnetizing. Black indications will appear immediately on the white background.

The ideal use concentration may vary according to magnetization strength, surface conditions, after-magnetization terms and flushing time. Therefore following values should only be understood as an indication:

1 kg PFINDER 205 for 40 l water (2,5 %).

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.

Process description according EN ISO 9934-1 see www.pfinder-ndt.com.



YOUR GREEN NDT BENEFITS

- | Odourless
- | Free of sec. amines, nitrites and halogens



YOUR HANDLING + COST SAVING BENEFITS

- | Excellent sharp, quick and stable indications
- | With effective corrosion protection
- | Compatible with non ferrous materials

APPROVALS & CONFORMITIES

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

EN ISO 9934-2

PACKAGING

1-l-bottle

These packages are on stock and instantly available. Other packages on demand.

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	g/cm ³	1,459
pH value*	ISO 4316		approx. 8,1
Particle size d10	Pfinder 080.900Q01	µm	approx. 1,1
Settlement volume*	AMS 3042	ml/100 ml	approx. 0,35

* Refers to a suspension of 2,5 %