

# PFINDER 205

## MAGNETIC PARTICLE CONCENTRATE

### BLACK

suspendable in water



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#### 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](http://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 <sup>3</sup>	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 %