

# PFINDER 115

## MAGNETIC PARTICLE CONCENTRATE

### FLUORESCENT

suspendable in water



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