

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.com.



YOUR GREEN NDT BENEFITS

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



YOUR HANDLING + COST SAVING BENEFITS

- | Excellent sharp, 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

2 years

Storage between + 5 °C and + 45 °C.
Shake or stir well before use!

CHARACTERISTIC DATA	Specification	Unit	Value
Density/15 °C	EN ISO 12185	kg/m ³	approx. 1140 ± 15
pH value	ISO 4316		8,75 ± 0,25
Particle size dm	Pfinder 080.900Q01	µm	approx. 3
Fluorescent coefficient	EN ISO 9934-2	cd/W	approx. 2
Settlement volume*	AMS 3044	ml/100 ml	approx. 0,25

* Refers to a suspension of 2,0 %