

PFINDER 101

MAGNETIC PARTICLE CONCENTRATE

FLUORESCENT

suspendable in water



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DESCRIPTION

PFINDER 101 is a water-suspendable concentrate of fluorescent magnetic particles with special additives for magnetic particle testing. PFINDER 101 indicates surface defects of magnetizable materials under UV-light (365 nm).

The concentrate PFINDER 101 has to be stirred in water. An even dispersion of the particles will be obtained very quickly.

PFINDER 101 provides an advanced fluorescence brightness.

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 101 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.com.



YOUR GREEN NDT BENEFITS

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



YOUR HANDLING + COST SAVING BENEFITS

- | Brilliant, quick and stable indications
- | With effective corrosion protection
- | Optimized foaming and wetting properties

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 and + 45 °C.
Shake or stirr well before use!

CHARACTERISTIC DATA	Specification	Unit	Value
Density/15 °C	EN ISO 12185	kg/m ³	approx. 1080
pH value	ISO 4316		8,0 ± 0,3
Particle size dm	Pfinder 080.900Q01	µm	approx. 3
Fluorescent coefficient	EN ISO 9934-2	cd/W	approx. 7
Settlement volume*	AMS 3044	mL/100 ml	approx. 0,10

* Refers to a suspension of 2,5 %