

DESCRIPTION

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

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-ndt.com.



YOUR GREEN NDT BENEFITS

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



YOUR HANDLING + COST SAVING BENEFITS

- Brilliant indications, quick and stable with advanced fluorescence brightness
- With effective corrosion protection
- Optimized foaming and wetting properties
- Compatible with non-ferrous materials

APPROVALS & CONFORMITIES

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

EN ISO 9934-2, ASME V Art.7, ASTM E 1444, ASTM E 709, AS 4792, ASME 3044.

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

Please respect the relevant rules and specifications for your application.

PACKAGES IN STOCK / STORAGE CONDITIONS

1-L-bottle, 5-L-canister.

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

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

SHELF-LIFE

3 years

TECHNICAL PROPERTIES

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

* refers to a suspension of 2,5%.