

PFINDER 901

PENETRANT

FLUORESCENT

Type I | sensitivity level 1



Version 15 | 15.01.2025 | Page 1/1

DESCRIPTION

PFINDER 901 is a hydrocarbon-free, directly water-washable fluorescent penetrant for crack detection of surfaces. PFINDER 901 is readily biodegradable according to ISO 9888 / Zahn-Wellens-EMPA test (OECD 302 B). Details and test report available on request.

Due to its removability PFINDER 901 provides only a low residual background even on rough surfaces and therefore a user-friendly interpretability of the indications.

Penetrant type I according DIN EN ISO 3452-1.
Use: Type I, Method A, C, E, Form a, b, c, d, f, g.

APPLICATION

Application temperature
-20 °C – 100 °C (-4 °F – 212 °F)

Values are referring to the temperature of the work piece.

For applications at temperatures above + 50 °C (+122 °F) or below 0 °C (32 °F), penetration time has to be adapted as follows:

- + 100 °C to + 50 °C (+212 °F to +122 °F): penetration time up to 15 minutes
- + 50 °C to + 10 °C (+122 °F to +50 °F): acc. ISO 3452-1 and ISO 3452-2
- + 10 °C bis 0 °C (+50 °F to +32 °F): standard-penetration time x 2
- 0 °C bis - 10 °C (+32 °F to +14 °F): standard-Penetration time x 3
- 10 °C bis -20 °C (+14 °F to -4 °F): standard-penetration time x 4

The capability of the penetrant system should be checked regularly by means of own reference pieces or e.g. reference test block 2 according EN ISO 3452-3.

Process description according DIN EN ISO 3452-1 see www.pfinder-ndt.com.



YOUR GREEN NDT BENEFITS

- | Readily biodegradable – no waste water treatment required
- | Nearly odourless
- | Free of hydrocarbons and heavy metals



YOUR HANDLING + COST SAVING BENEFITS

- | Bright, sharp indications with high contrast
- | Easy rinsability = low background fluorescence
- | Reduced consumption due to low viscosity

APPROVALS & CONFORMITIES

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

EN ISO 3452-2 | 3452-5 |
VDA236-150 | ASTM E165 |
ASTM E1417 | ASME V Art.6

Low content of sulfur and halogens according to EN ISO 3452-2.

PACKAGING

200-l-drum | 1000-l-container

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

CHARACTERISTIC DATA	Specification	Unit	Value
Density/20 °C	DIN 51757	kg/m ³	approx. 962
Viscosity/20 °C	ASTM D7042	mm ² /s	approx. 11,2
Flash Point	EN ISO 2719	°C	≥ 102