

# PFINDER 902

## PENETRANT

### FLUORESCENT

Type I | sensitivity level 2



Version 16 | 15.01.2025 | Page 1/1

#### DESCRIPTION

PFINDER 902 is a hydrocarbon-free, directly water-washable fluorescent penetrant for crack detection of surfaces. PFINDER 902 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 902 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

Aerosol spray cans must not be warmed up above + 50 °C (+122 °F). Minimum working temperature for Aerosol spray cans is +5°C (41 °F).

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](http://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

500-ml-spray can (for 360° application) | 5-l-canister | 30-l-canister |  
200-l-drum | 1000-l-container

These packages are on stock and instantly available. Other packages on demand.  
The spray characteristics of aerosol cans may change during the shelf life.

#### 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 <sup>3</sup>	approx. 952
Viscosity/20 °C	ASTM D7042	mm <sup>2</sup> /s	approx. 16
Viscosity/38 °C (100°F)	ASTM D7042	mm <sup>2</sup> /s	approx. 8
Flash Point	EN ISO 2719	°C	≥ 109

Data of products packaged in aerosol spray cans might differ.