

PFINDER 901

Fluorescent penetrant, sensitivity level 1

Version 3 / (GB)
811 9010
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Description

PFINDER 901 is a hydrocarbon free, readily biodegradable, direct water-washable fluorescent penetrant of the sensitivity level 2 for crack detection of surfaces.

PFINDER 901 is qualified for penetrant testing at temperatures between -20°C to +100°C (temperature of work part) according to EN ISO 3452-5 and EN ISO 3452-6.

Penetrant type I according EN 571-1.

Product benefits

- Readily biodegradable.
- Process water of rinsing step can be drained directly into sewage without pre-treatment (after approval of authorities).
- Free of aromatics and hydrocarbons.
- Reduced consumption due to low viscosity.
- Bright, sharp indications with high contrast.

Approvals / conformities

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

EN ISO 3452-2, 3452-5, 3452-6, ASTM E165, ASME V Art.6.

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

Please respect the relevant rules and specifications for your application.

Application

Process description according EN 571-1 see www.penetranttesting.com.

For applications at temperatures below +10°C and above +50°C acc. to EN ISO 3452-5 and EN ISO 3452-6 penetration time has to be adapted as follows (values are referring to the temperature of the work part. Spray cans must not be warmed up above +50°C):

At +100°C to +50°C: penetration time up to 15 minutes,
at +50°C bis +10°C: according EN 571-1 and EN ISO 3452-2,
at +10°C bis 0°C: usual penetration time x2,
at 0°C to -10°C: usual penetration time x3,
at -10°C to -20°C: usual penetration time x 4.

The capability of penetrant system should be checked regularly by means of own reference pieces or e.g. reference test block 2 according EN ISO 3452-3 (Art. no. 811 0001).

For handling of UV-light we generally recommend the use of suited protection wear, e.g. PFINDER safety glasses with 100% UV-filter (Art. no. 811 0600).

Technical data (active component)

Density/20°C	DIN EN ISO 12185	960 ± 15 kg/m ³
Viscosity/20°C	DIN EN ISO 3104	approx. 16 mm ² /s
Flashpoint	ASTM D 93	> 100°C
Sensitivity	EN ISO 3452-2	Level 1

Technical data (spray can)

Flashpoint	<-40°C
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Delivery form

Clear, yellow-green liquid.

Packages

1000-L-container, 200-L-barrel, 30-L-canister, 5-L-canister, 500-mL-spray can.

Storage / shelf-life

Between +5°C and +45°C at least 2 years.
Spray cans: Between +5°C and +45°C at least 3 years .

www.penetranttesting.com

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