

PFINDER 923

PENETRANT

FLUORESCENT

Type I | sensitivity level 3



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DESCRIPTION

PFINDER 923 is a hydrocarbon-free, directly water-washable fluorescent penetrant for crack detection of surfaces. PFINDER 923 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 923 provides only a low residual background even on rough surfaces and therefore a user-friendly interpretability of the indications.

PFINDER 923 meets all requirements of the AMS 2644G and is therefore being used especially for the testing of aviation components.

Penetrant Type 1 (fluorescent), Method A, sensitivity level 3 according AMS 2644G.

APPLICATION

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.

Application temperature
4°C – 50°C (39°F – 122°F)

For applications at temperatures below + 10 °C (+50°F), penetration time has to be adapted as follows:
+ 10 °C bis 0 °C (+50 °F to +32 °F): standard-penetration time x 2

Values are referring to the temperature of the working part.

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:

AMS 2644H | ASTM E165 |
ASTM E1417 | AITM 6-1001 |
Boeing BAC 5423 | BSS 7039 |

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	EN ISO 12185	kg/m ³	approx. 970
Viscosity/20 °C	ASTM D 445	mm ² /s	approx. 33,7
Viscosity/38 °C (100 °F)	ASTM D 445	mm ² /s	approx. 16,5
Flash Point	ASTM D 93	°C (°F)	≥ 108