

PFINDER 800

COLOR CONTRAST PENETRANT

RED + FLUORESCENT

Type II+III | Sensitivity Level 2



DESCRIPTION

PFINDER 800 is a hydrocarbon-free, directly water-washable fluorescent penetrant for crack detection of surfaces. PFINDER 800 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 800 provides only a low residual background even on rough surfaces and therefore a user-friendly interpretability of the indications.

Penetrant type II+III according DIN EN ISO 3452-1.
Use: Type II+III, Method A+C, Form a, b, c, e, f

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.



YOUR GREEN NDT BENEFITS

- | Readily biodegradable - no waste water treatment required
- | Free of azo compounds
- | Aerosol spray can with minimized carbon footprint



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 | 3452-6 |
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 | 200-l-drum

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

5 year | canisters: 4 years

Storage between + 5 °C to + 45 °C / +40°F to +105°F

CHARACTERISTIC DATA	Specification	Unit	Value
Density/20 °C*	DIN 51 757	g/ml	approx. 0,969
Viscosity/20 °C*	ASTM D 7042	mm ² /s	approx. 15,6
Flash Point*	EN ISO 2719	°F	≥ 221
Productivity	500 ml Aerosol spray can	m ²	up to 10

* Data of products packaged in aerosol spray cans might differ.

PFINDER 860

COLOR CONTRAST PENETRANT

RED

Type II | Sensitivity Level 2



DESCRIPTION

PFINDER 860 is a hydrocarbon-free, directly water-washable color contrast penetrant for crack detection of surfaces. PFINDER 860 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 860 provides only a low residual background even on rough surfaces and therefore a user-friendly interpretability of the indications.

Penetrant type II according DIN EN ISO 3452-1.
Use: Type II, Method A + C, Form a, b, c, e, f.

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



YOUR GREEN NDT BENEFITS

- | Readily biodegradable – no waste water treatment required
- | Nearly odourless



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 | 3452-6 |
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 | 200-l-drum
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 51 757	kg/m ³	approx. 967
Viscosity/20 °C*	ASTM D 7042	mm ² /s	approx.12,4
Flash Point*	EN ISO 2719	°C	≥ 105
Productivity	Aerosoldose 500ml	m ²	up to 10

* Data of products packaged in aerosol spray cans might differ.