

# PFINDER 800

## COLOR CONTRAST PENETRANT

### RED + FLUORESCENT

#### Type II+III | Sensitivity Level 2



Version 14 | 09.11.2021 | Page 1/1

#### DESCRIPTION

PFINDER 800 is a hydrocarbon-free, directly water-washable and readily biodegradable color contrast penetrant (red + fluorescent) for crack detection of surfaces. 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.

PFINDER 800 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 II+III according DIN EN ISO 3452-1.

Use: Type II+III, Method A+C, Form e.

For details about "Biological degradability of PFINDER penetrants" please refer to the leaflet.

#### 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.

Process description according DIN EN ISO 3452-1 see [www.pfinder.com](http://www.pfinder.com).

For applications at temperatures below + 10 °C and above + 50 °C, penetration time has to be adapted as follows:

- + 100 °C to + 50 °C: penetration time up to 15 minutes
- + 50 °C to + 10 °C: according DIN EN ISO 3452-1 and EN ISO 3452-2
- + 10 °C to 0 °C: usual penetration time x 2
- 0 °C to - 10 °C: usual penetration time x 3
- 10 °C to - 20 °C: usual penetration time x 4

Values are referring to the temperature of the working part. Aerosol spray cans must not be warmed up above + 50 °C.



#### YOUR GREEN NDT BENEFITS

- | Readily biodegradable - no waste water treatment required
- | Nearly odourless
- | Free of aromatics and azo compounds



#### 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 |  
ASME V Art.6 | PMUC

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.

#### SHELF-LIFE & STORAGE

3 years

Storage between + 5 °C and + 45 °C.  
Shake or stir well before use!

| CHARACTERISTIC DATA | Specification            | Unit               | Value        |
|---------------------|--------------------------|--------------------|--------------|
| Density/20 °C*      | DIN 51757                | kg/m <sup>3</sup>  | 970 ± 48     |
| Viscosity/20 °C*    | ASTM D7042               | mm <sup>2</sup> /s | approx. 15,5 |
| Flash Point*        | EN ISO 2719              | °C                 | > 105        |
| Productivity        | 500 ml Aerosol spray can | m <sup>2</sup>     | up to 10     |

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