

# PFINDER 860

## COLOR CONTRAST PENETRANT

### RED

Type II | Sensitivity Level 2



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#### 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.

PFINDER 860 is qualified for penetrant testing at temperatures between  $-20\text{ }^{\circ}\text{C}$  to  $+100\text{ }^{\circ}\text{C}$  (temperature of work part) according to EN ISO 3452-5 and EN ISO 3452-6.

Penetrant type II according DIN EN ISO 3452-1.

Use: Type II, Method A + C, Form a, b, c, e, f.

#### 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  $+10\text{ }^{\circ}\text{C}$  and above  $+50\text{ }^{\circ}\text{C}$ , penetration time has to be adapted as follows:

- $+100\text{ }^{\circ}\text{C}$  to  $+50\text{ }^{\circ}\text{C}$ : penetration time up to 10 minutes
- $+50\text{ }^{\circ}\text{C}$  to  $+10\text{ }^{\circ}\text{C}$ : according DIN EN ISO 3452-1 and EN ISO 3452-2
- $+10\text{ }^{\circ}\text{C}$  to  $0\text{ }^{\circ}\text{C}$ : usual penetration time x 2
- $0\text{ }^{\circ}\text{C}$  to  $-10\text{ }^{\circ}\text{C}$ : usual penetration time x 3
- $-10\text{ }^{\circ}\text{C}$  to  $-20\text{ }^{\circ}\text{C}$ : usual penetration time x 4

Values are referring to the temperature of the working part. Aerosol spray cans must not be warmed up above  $+50\text{ }^{\circ}\text{C}$ .



#### 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 |  
ASTM E1417 | ASME V Art.6

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

#### PACKAGING

500-ml-spray can (for  $360^{\circ}$  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  $+5\text{ }^{\circ}\text{C}$  and  $+45\text{ }^{\circ}\text{C}$ .  
Shake or stir well before use!

CHARACTERISTIC DATA	Specification	Unit	Value
Density/ $20\text{ }^{\circ}\text{C}^*$	DIN 51757	kg/mm <sup>3</sup>	approx. 929
Viscosity/ $20\text{ }^{\circ}\text{C}^*$	ASTM D7042	mm <sup>2</sup> /s	approx. 11,13
Flash Point*	EN ISO 2719	$^{\circ}\text{C}$	$> 97$
Productivity	500ml Aerosol spray can	m <sup>2</sup>	up to 10

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