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.

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.

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.

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 flourescence
| 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 stirr well before use!

CHARACTERISTIC DATA	Specification	Unit	Value
Density/20 °C*	DIN 51757	kg/m³	970 ± 48
Viscosity/20 °C*	ASTM D7042	mm^2/s	approx. 15,5
Flash Point*	EN ISO 2719	°C	> 105
Productivity	500 ml Aerosol spray can	m^2	up to 10

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

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