

PFINDER 800

Colour contrast penetrant, red + fluorescent

Version 5 / (GB)
811 8000
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Description

PFINDER 800 is a hydrocarbon free, readily biodegradable, direct water-washable colour contrast penetrant (red + fluorescent) of the sensitivity level 2 for crack detection of surfaces. Due to its user-friendly rinsability PFINDER 800 provides low residual background even on rough metal surfaces.

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 EN 571-1.

Product benefits

- Bright, sharp indications with high contrast.
- Easy rinsability = low residual background.
- Free of aromatics, hydrocarbons, azo and heavy metal compounds.
- Reduced consumption due to low viscosity.
- Readily biodegradable.

Approvals / conformities

The product conforms to the following specifications / is suitable for use according to:

EN ISO 3452-2, 3452-5, 3452-6, ASME V Art.6, ASTM E165, PMUC, RCCM.

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

Please respect the relevant rules and specifications for your application.

Application

Process description according EN 571-1 see www.penetranttesting.com.

For applications at temperatures below +10 °C and above +50 °C acc. to EN ISO 3452-5 and EN ISO 3452-6 penetration time has to be adapted as follows (values are referring to the temperature of the work part. Spray cans must not be warmed up above +50 °C):

At +100 °C to +50 °C: penetration time up to 15 minutes,
at +50 °C bis +10 °C: according EN 571-1 and EN ISO 3452-2,
at +10 °C bis 0 °C: usual penetration time x2,
at 0 °C to -10 °C: usual penetration time x3,
at -10 °C to -20 °C: usual penetration time x 4.

Process description according EN 571-1 see www.penetranttesting.com.

The capability of penetrant system should be checked regularly by means of own reference pieces or e.g. reference test block 2 according EN ISO 3452-3 (Art. no. 811 0001).

For handling of UV-light we generally recommend the use of suited protection wear, e.g. PFINDER safety glasses with 100% UV-filter (Art. no. 811 0600).

Technical data (active component)

Density/20 °C	DIN EN ISO 12185	970 ± 15 kg/m ³
Viscosity/20 °C	DIN EN ISO 3104	approx. 15,5 mm ² /s
Flashpoint	ASTM D 93	> 100 °C
Sensitivity	EN ISO 3452-2	Level 2

Technical data (spray can)

Flashpoint	<-40 °C
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Delivery form

Dark-red liquid.

Packages

200-L-barrel, 30-L-canister, 5-L-canister, 500-mL-spray can.

Storage / shelf-life

Between +5 °C and +45 °C at least 2 years.

Spray cans: Between +5 °C and +45 °C at least 3 years.

www.penetranttesting.com

The information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence, or otherwise is limited to the purchase price of the material.

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