

## PFINDER 870

Solvent based developer for penetrant testing

Version 4 / (GB)  
811 8700  
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### Description

PFINDER 870 is a solvent-based wet developer for penetrant testing. PFINDER 870 is suitable for colour contrast and fluorescent penetrant testing as well.

PFINDER 870 is qualified for penetrant testing at temperatures between -20 °C to +70 °C (temperature of work part) according to EN ISO 3452-5 and EN ISO 3452-6.

Developer form d + e according EN 571-1.

### Product benefits

- Excellent developing properties.
- Low consumption due to high opacity.
- Easily removable with water.

### 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, RCCM.

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

Please respect the relevant rules and specifications for your application.

### Application

PRECLEANING: Clean surface well with PFINDER Cleaner (e.g. PFINDER 890) or mechanically.

PENETRATION: Apply penetrant (e.g. PFINDER 800), penetration time 5-60 minutes. Application can be done by immersion, spraying, brushing or overflowing. Area to be tested has to be coated completely.

EXCESS PENETRANT REMOVAL: Remove excessive penetrant with approved PFINDER Cleaner (e.g. PFINDER 890) or water from surface. Dry surface.

DEVELOPING: Shake well spray can. Spray developer PFINDER 870 thin and evenly.

INSPECTION: After 10-30 minutes defect will appear as red indications (colour contrast penetrant testing) or if required under UV-light (365nm / fluorescent penetrant testing).

Process description according EN 571-1 see [www.penetranttesting.com](http://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	approx. 900 kg/m <sup>3</sup>
Flashpoint	ASTM D 93	<15°C

### Technical data (spray can)

Flashpoint	<-40°C
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### Delivery form

White liquid.

### Packages

30-L-package, 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.

Stir or shake well before use!

[www.penetranttesting.com](http://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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